



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: Rebecca Dietrich
 Date Reviewed: March 17, 2004
 Facility Type: Sanitary Landfill
 Facility Name: Pittsylvania County LF
 Permit No.: 571
 Permit Issued Date: September 13, 1994
 Amendment 1 Date: February 7, 1997
 Amendment 2 Date: October 20, 1998
 Amendment 3 Date: May 13, 2003
 HB1205 Ranking: N/A
 Title V: Y

Findings/Deficiencies:

1) II.G: The wetlands demonstration for siting is not included in the permit. However, it is included in Department files.

Applicable Regs. By
Facility Type:

Sanitary Landfill	CDD Landfill	Industrial Landfill	Transfer Station
9 VAC 20-80-250	9 VAC 20-80-260	9 VAC 20-80-270	9 VAC 20-80-340
9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-320
			9 VAC 20-80-540
Material Recovery	Eng. Rec. & Incin.	Surface Impound.	
9 VAC 20-80-360	9 VAC 20-80-370	9 VAC 20-80-380	
9 VAC 20-80-320	9 VAC 20-80-320	9 VAC 20-80-320	
9 VAC 20-80-540	9 VAC 20-80-530	9 VAC 20-80-540	

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	Y	9 VAC 20-80-500 C	
B.	Approval Date:	6/10/93		
C.	1993 Subtitle D Amendment	N/A	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	
D.	Part A Expansion	N/A		

II.	General Site Plans			
A.	Existing Site Conditions	Y	9 VAC 20-80-520 A 1 b	
B.	Base Grade Plan	Y	9 VAC 20-80-520 A 1 c	
C.	Modification Plans	Y	9 VAC 20-80-520 A 1 d	
D.	Phasing Plan	Y	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	
E.	Cross Sections	Y	9 VAC 20-80-520 A 1 h	
F.	Flood Plain	Y	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	
G.	Wetlands	N	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	The wetlands demonstration for siting is not included in the permit, but is located in Department files.
H.	General Facility Info	Y	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	
I.	Site Access	Y	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
J.	Utilities	Y	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	
K.	Aesthetics	Y	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	
L.	Location of Cells	Y	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

M.	Benchmarks	Y	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	
N.	Borrow & Stockpile Areas	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)	
O.	Final Site Topography Plan	Y	9 VAC 20-80-520 A 1 e	
P.	Monitoring Plan	Y	9 VAC 20-80-520 A 1 g	

III.	Liners			
A.	Regulatory Requirements	Y		
1.	Sanitary Landfills	Y	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2	
2.	Other Landfills	N/A	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2	
B.	Design Plans and Report	Y		
1.	Liner System	Y	9 VAC 20-80-520 B 2	
a.	Composite	Y		
b.	Single Liner	N/A		
c.	None	N/A		
2.	Piggy Backing	N/A		

IV.	Liquids Management System			
A.	Leachate Collection & Control			
1.	Leachate Disposal	Y	9 VAC 20-80-290 D	
a.	POTW	Y	9 VAC 20-80-290 D 1	
b.	Recirculation	N/A	9 VAC 20-80-290 D 3	
c.	Other	N/A	9 VAC 20-80-290 D	
2.	Leachate Management Plan	Y	9 VAC 20-80-290	
a.	Collection System	Y	9 VAC 20-80-290 A 2	
b.	Storage	Y	9 VAC 20-80-290 A 3	
c.	Leachate Treatment	N/A	9 VAC 20-80-290 D 4	
B.	Run-on Control System	Y	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

C.	Run-off Control System	Y	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j	
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V. Gas Management System				
A.	Management Plan	Y	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	
1.	General Requirements	Y	9 VAC 20-80-280 A	
2.	Monitoring	Y	9 VAC 20-80-280 B,C, & D	
3.	Control	Y	9 VAC 20-80-280 E	
4.	Contingency Plan	Y	9 VAC 20-80-280 E 1 a	
5.	Clean Air Act/ VA Operating Permit	Y	9 VAC 20-80-280 E 3	
B.	Remediation Plan	Y	9 VAC 20-80-280 E 1 c	
1.	Active	Y		
2.	Passive	Y		
3.	Combination	Y		

VI. Groundwater Monitoring				
A.	Groundwater Monitoring Plan	Y	9 VAC 20-80-250 B 11, 9 VAC 20-80-250 D 1, 9 VAC 20-80-250 D 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-260 D 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-270 D 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection	Y	9 VAC 20-80-250 D 5	
2.	Assessment	Y	9 VAC 20-80-250 D 6	
3.	Phase I	N/A	9 VAC 20-80-260 D 5 & 9 VAC 20-80-270 D 5	
4.	Phase II	N/A	9 VAC 20-80-260 D 6 & 9 VAC 20-80-270 D 6	
5.	GPS	Y	9 VAC 20-80-250 D 6 h	
6.	Corrective Action	N/A	9 VAC 20-80-310	
7.	Phase III	N/A	9 VAC 20-80-260 D 7 & 9 VAC 20-80-270 D 7	
8.	Selection of Remedy	N/A	9 VAC 20-80-310 B	
9.	Implementation of CA	N/A	9 VAC 20-80-310 C	

10.	GW Monitoring System	Y	9 VAC 20-80-250 D 3, 9 VAC 20-80-260 D 3, & 9 VAC 20-80-270 D 3	
11.	Wetlands Legislation	Y		
a.	Demonstration Approved	Y		
b.	Quarterly Monitoring	N/A		

VII.	Operations Manual			
A.	Service Information	Y	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
B.	Personnel	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D	
C.	Site Access	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1	
1.	Hours of Operation	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
2.	Traffic Routing	Y	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
D.	Waste Handling	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
1.	Types of Wastes	Y	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14	
2.	Litter Control	Y	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	
3.	Dust, Odor, Vectors	Y	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2	

4.	Open Burning	Y	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	
5.	Unauthorized Waste Acceptance Plan	Y	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	
E.	Filling Operation	Y	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15	
F.	Handling of Special Wastes	Y	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11	
G.	Equipment	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
H.	Compaction and Cover	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40, & 9 VAC 20-80-270 C 11	
I.	ADC Approvals	Y	9 VAC 20-80-250 C 2 c	
I.	Safety	Y	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h	
J.	Inspection	Y	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f	
K.	Control & Monitoring of Liquids & Gases	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
L.	Records	Y	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	

VIII.	Closure Plan			
A.	General	Y	9 VAC 20-80-250 E, 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80-320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20-80-560	
1.	Units & Status	Y	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	
2.	Capped Area Approvals	N/A	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7	
B.	Time-frames for Closure	Y	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E	
C.	Closure of Disposal Units	Y	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C	
1.	Surface Impoundments	Y	9 VAC 20-80-380 B	
D.	Cover Design	Y	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)	
E.	E&S Control Plan	Y	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)	
F.	Schedule for Closure	Y	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(2), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3	
G.	Notification	Y	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 5, & 9 VAC 20-80-270 E 6	

H.	Inspection	Y	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	
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IX.	Post Closure Plan			
A.	General	Y	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F	
1.	Post Closure Period Required	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
2.	Years Remaining	N/A	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
B.	Monitoring Plan	Y	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	
C.	Post Closure Uses	Y	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c	

X.	Financial Assurance		9 VAC 20-70-10	
A.	Cost Est. Approval	Y	9 VAC 20-70-111 & 112	
B.	Mechanism	Y	9 VAC 20-70-140	



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: J. Godfrey
 Date Reviewed: 3/25/04
 Facility Type: Sanitary LF
 Facility Name: Middle Peninsula
 Permit No.: 572
 Permit Issued Date: 8/15/94
 Amendment 1 Date: 6/1/95
 Amendment 2 Date: 11/5/96
 Amendment 3 Date: 12/5/97
 Amendment 4 Date: 3/1/00
 Amendment 5 Date: 12/17/03
 HB1205 Ranking: NA
 Title V: Yes

Findings/Deficiencies:

1. The Gas management Plan does not address the requirements of 9 VAC 20-80-280.E.1.
2. The Closure Plan does not discuss the requirements of 9 VAC 20-80-250.E.5.b, E.6 and E.7.
3. The Closure and Post-Closure Plan should provide more discussion of the activities that are to be performed.
4. Aesthetics are not addressed.
5. The Unacceptable Waste Inspection program does not include the requirements of Amendment 3.

Applicable Regs. By
Facility Type:

Sanitary Landfill	CDD Landfill	Industrial Landfill	Transfer Station
9 VAC 20-80-250	9 VAC 20-80-260	9 VAC 20-80-270	9 VAC 20-80-340
9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-320
			9 VAC 20-80-540
Material Recovery	Eng. Rec. & Incin.	Surface Impound.	
9 VAC 20-80-360	9 VAC 20-80-370	9 VAC 20-80-380	

9 VAC 20-80-320
9 VAC 20-80-540

9 VAC 20-80-320
9 VAC 20-80-530

9 VAC 20-80-320
9 VAC 20-80-540

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	Y	9 VAC 20-80-500 C	Not included in permit.
B.	Approval Date:	mm/dd/yy		
C.	1993 Subtitle D Amendment	NA	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	
D.	Part A Expansion	NA		

II.	General Site Plans			
A.	Existing Site Conditions	Y	9 VAC 20-80-520 A 1 b	
B.	Base Grade Plan	Y	9 VAC 20-80-520 A 1 c	
C.	Modification Plans	Y	9 VAC 20-80-520 A 1 d	
D.	Phasing Plan	Y	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	
E.	Cross Sections	Y	9 VAC 20-80-520 A 1 h	
F.	Flood Plain	Y	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	
G.	Wetlands	Y	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	
H.	General Facility Info	Y	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	
I.	Site Access	Y	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
J.	Utilities	Y	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	
K.	Aesthetics	N	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	Not addressed in permit.
L.	Location of Cells	Y	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

M.	Benchmarks	Y	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	On plan sheets - no discussion in permit.
N.	Borrow & Stockpile Areas	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)	
O.	Final Site Topography Plan	Y	9 VAC 20-80-520 A 1 e	
P.	Monitoring Plan	Y	9 VAC 20-80-520 A 1 g	

III.	Liners			
A.	Regulatory Requirements	Y		
1.	Sanitary Landfills	Y	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2	
2.	Other Landfills	NA	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2	
B.	Design Plans and Report			
1.	Liner System		9 VAC 20-80-520 B 2	
a.	Composite	Y		
b.	Single Liner	NA		
c.	None	NA		
2.	Piggy Backing	NA		

IV.	Liquids Management System			
A.	Leachate Collection & Control			
1.	Leachate Disposal	Y	9 VAC 20-80-290 D	
a.	POTW	Y	9 VAC 20-80-290 D 1	
b.	Recirculation	Y	9 VAC 20-80-290 D 3	
c.	Other	NA	9 VAC 20-80-290 D	
2.	Leachate Management Plan	Y	9 VAC 20-80-290	
a.	Collection System	Y	9 VAC 20-80-290 A 2	
b.	Storage	Y	9 VAC 20-80-290 A 3	
c.	Leachate Treatment	NA	9 VAC 20-80-290 D 4	
B.	Run-on Control System	Y	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

C.	Run-off Control System	Y	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j	
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V. Gas Management System				
A.	Management Plan	Y	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	
1.	General Requirements	Y	9 VAC 20-80-280 A	
2.	Monitoring	Y	9 VAC 20-80-280 B,C, & D	
3.	Control	Y	9 VAC 20-80-280 E	
4.	Contingency Plan	N	9 VAC 20-80-280 E 1 a	Emergency measures and reporting not provided.
5.	Clean Air Act/ VA Operating Permit	Y	9 VAC 20-80-280 E 3	Approved 11/29/03
B.	Remediation Plan	NA	9 VAC 20-80-280 E 1 c	
1.	Active			
2.	Passive			
3.	Combination			

VI. Groundwater Monitoring				
A.	Groundwater Monitoring Plan	Y	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection	Y	9 VAC 20-80-300 B 2	
2.	Assessment	Y	9 VAC 20-80-300 B 3	
3.	Phase I	NA	9 VAC 20-80-300 C 3	
4.	Phase II	NA	9 VAC 20-80-300 C 4	
5.	GPS	NA	9 VAC 20-80-300 B 3 h	
6.	Corrective Action	NA	9 VAC 20-80-310	
7.	Phase III	NA	No longer applicable	
8.	Selection of Remedy	NA	9 VAC 20-80-310 B	
9.	Implementation of CA	NA	9 VAC 20-80-310 C	

10.	GW Monitoring System	Y	9 VAC 20-80-300 A 3	
11.	Wetlands Legislation			
a.	Demonstration Approved			
b.	Quarterly Monitoring	Y		

VII.	Operations Manual			
A.	Service Information	Y	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Additional information should be provided regarding extent of service area.
B.	Personnel	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D	
C.	Site Access	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1	
1.	Hours of Operation	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
2.	Traffic Routing	Y	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
D.	Waste Handling	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
1.	Types of Wastes	Y	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14	
2.	Litter Control	Y	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	
3.	Dust, Odor, Vectors	Y	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2	

4.	Open Burning	Y	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	
5.	Unauthorized Waste Acceptance Plan	N	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	Does not address inspection requirements of VSWMR Amendment 3
E.	Filling Operation	Y	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15	
F.	Handling of Special Wastes	Y	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11	
G.	Equipment	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	It is preferred to show equipment required relative to increments of waste intake
H.	Compaction and Cover	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40 , & 9 VAC 20-80-270 C 11	
I.	ADC Approvals	Y	9 VAC 20-80-250 C 2 c	
I.	Safety	Y	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h	
J.	Inspection	Y	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f	
K.	Control & Monitoring of Liquids & Gases	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
L.	Records	Y	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	

VIII.	Closure Plan			
A.	General	Y	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80-320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20-80-560	
1.	Units & Status	Y	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	
2.	Capped Area Approvals	N	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7	Not required to be in permit.
B.	Time-frames for Closure	Y	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E	
C.	Closure of Disposal Units	Y	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C	
1.	Surface Impoundments	NA	9 VAC 20-80-380 B	
D.	Cover Design	Y	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)	
E.	E&S Control Plan	Y	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)	
F.	Schedule for Closure	Y	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(2), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3	
G.	Notification	Y	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 5, & 9 VAC 20-80-270 E 6	

H.	Inspection	N	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	DEQ requirement. Not required in permit.
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IX.	Post Closure Plan			
A.	General	Y	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F	
1.	Post Closure Period Required	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
2.	Years Remaining	NA	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
B.	Monitoring Plan	Y	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	
C.	Post Closure Uses	Y	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c	

X.	Financial Assurance		9 VAC 20-70-10	
A.	Cost Est. Approval	Y	9 VAC 20-70-111 & 112	
B.	Mechanism	Y	9 VAC 20-70-140	



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: **M. A. Karim**
 Date Reviewed: 3/24/04
 Facility Type: Industrial Landfill
 Facility Name: Bear Island Paper Company LLC
 Permit No.: SWP 573
 Permit Issued Date: 5/5/95 Initial Issuance
 Amendment 1 Date: 9/19/95 (Temp. Authorization)
 Amendment 2 Date: 6/4/97 (Major)
 Amendment 3 Date: 8/13/98 (Minor, Groundwater Monitoring Plan)
 Amendment 4 Date: N/A
 HB1205 Ranking: N/A
 Title V: N/A

- Findings/Deficiencies:
1. Part A information is not included in the permit.
 2. No section has been dedicated to indicate wetland impacts by the facility.
 3. Section VI, Page 18 of Permit Module V says, "No gas detection or collection system is proposed with this permit application." In section VI.3, Page 19 of Permit Module II, it says, "No landfill gas systems are proposed at this time. No majority of waste will consist of ash and should not cause excess gas generation."
 4. Permit referenced to old citations of the regulations in many instances. Citations need to be changed to reflect the new regulations.

Applicable Regs. By Facility Type:	Sanitary Landfill 9 VAC 20-80-250 9 VAC 20-80-520 Material Recovery 9 VAC 20-80-360 9 VAC 20-80-320 9 VAC 20-80-540	CDD Landfill 9 VAC 20-80-260 9 VAC 20-80-520 Eng. Rec. & Incin. 9 VAC 20-80-370 9 VAC 20-80-320 9 VAC 20-80-530	Industrial Landfill 9 VAC 20-80-270 9 VAC 20-80-520 Surface Impound. 9 VAC 20-80-380 9 VAC 20-80-320 9 VAC 20-80-540	Transfer Station 9 VAC 20-80-340 9 VAC 20-80-320 9 VAC 20-80-540
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	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	N	9 VAC 20-80-500 C	Not included in the Permit.
B.	Approval Date:	mm/dd/yyyy		Can't find the Part A approval letter. Found the Part A submittal dated September 1991.
C.	1993 Subtitle D Amendment	N/A	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	Permit was issued in 1995. Therefore, 1993 Subtitle D amendment was in effect at that time.
D.	Part A Expansion	N/A		

II.	General Site Plans			
A.	Existing Site Conditions	Y	9 VAC 20-80-520 A 1 b	Section A.1, Page 2 of Permit Module V. Sheet 4 of 40.
B.	Base Grade Plan	Y	9 VAC 20-80-520 A 1 c	Section A.2, Page 2 of Permit Module V. Sheet 5 of 40.
C.	Modification Plans	Y	9 VAC 20-80-520 A 1 d	Section A.3, Page 2 of Permit Module V. Sheets 6 & 7 of 40.
D.	Phasing Plan	Y	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	Section A.4, Page 3 of Permit Module V. Sheet 10 of 40.
E.	Cross Sections	Y	9 VAC 20-80-520 A 1 h	Section A.5, Page 3 of Permit Module V. Sheet 20 - 23 of 40.
F.	Flood Plain	Y	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	Section A.6, Page 3 of Permit Module V.
G.	Wetlands	N	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	No section has been dedicated to describe wetland impacts by the facility.
H.	General Facility Info	Y	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	Section B, Page 3 of Permit Module V.
I.	Site Access	Y	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	Section C, Page 4 of Permit Module V. Sheets 11 through 17, and Sheets 27 & 28 of 40.
J.	Utilities	Y	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	Section D, Page 4 of Permit Module V.
K.	Aesthetics	Y	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	Section E, Page 4 of Permit Module V. Sheets 6 & 7 of 40.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
L.	Location of Cells	Y	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	Section F, Page 5 of Permit Module V. Sheet 10 of 40.
M.	Benchmarks	Y	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	Section G, Page 5 of Permit Module V. Sheet 19 of 40.
N.	Borrow & Stockpile Areas	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)	Section H, Page 5 of Permit Module V. Sheets 11 through 17 of 40.
O.	Final Site Topography Plan	Y	9 VAC 20-80-520 A 1 e	Sheet 9 of 40.
P.	Monitoring Plan	Y	9 VAC 20-80-520 A 1 g	In multiple sheets.

III. Liners				
A.	Regulatory Requirements			
1.	Sanitary Landfills	N/A	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2	
2.	Other Landfills	Y	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2	Industrial Landfill
B.	Design Plans and Report	Y		Permit Module V (Report & Plans).
1.	Liner System	Y	9 VAC 20-80-520 B 2	
a.	Composite	N/A		
b.	Single Liner	Y		Synthetic Liner. Top to bottom: 6 or 12-inch protective ash layer; Filter Geotextile; 12-inch drainage layer with $k = 1 \times 10^{-2}$ cm/sec.; 60-mil HDPE; and prepared subgrade.
c.	None	N/A		
2.	Piggy Backing	N/A		

IV. Liquids Management System				
A.	Leachate Collection & Control			
1.	Leachate Disposal		9 VAC 20-80-290 D	
a.	POTW	N/A	9 VAC 20-80-290 D 1	
b.	Recirculation	N/A	9 VAC 20-80-290 D 3	
c.	Other	Y	9 VAC 20-80-290 D	The leachate is pumped under the railroad siding through a 2" HDPE force main to the onsite wastewater treatment plant, treated and discharged in accordance with the VPDES permit. Section A, Page 12 of Permit Module V.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
2.	Leachate Management Plan	Y	9 VAC 20-80-290	
a.	Collection System	Y	9 VAC 20-80-290 A 2	
b.	Storage	N/A	9 VAC 20-80-290 A 3	
c.	Leachate Treatment	Y	9 VAC 20-80-290 D 4	Leachate treatment is done on-site and then discharged per VPDES permit.
B.	Run-on Control System	Y	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	Section B, Page 16 of Permit Module V.
C.	Run-off Control System	Y	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j	Section C, Page 17 of Permit Module V.

V. Gas Management System				
A.	Management Plan	N	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	Section VI, Page 18 of Permit Module V says, "No gas detection or collection system is proposed with this permit application." In section VI.3, Page 19 of Permit Module II, it says, "No landfill gas systems are proposed at this time. No majority of waste will consist of ash and should not cause excess gas generation."
1.	General Requirements	N/A	9 VAC 20-80-280 A	
2.	Monitoring	N/A	9 VAC 20-80-280 B,C, & D	
3.	Control	N/A	9 VAC 20-80-280 E	
4.	Contingency Plan	N/A	9 VAC 20-80-280 E 1 a	
5.	Clean Air Act/ VA Operating Permit	N/A	9 VAC 20-80-280 E 3	
B.	Remediation Plan	N/A	9 VAC 20-80-280 E 1 c	
1.	Active	N/A		
2.	Passive	N/A		
3.	Combination	N/A		

VI. Groundwater Monitoring				

	Item	Provided (Y/N)	Regulatory Requirement	Comments
A.	Groundwater Monitoring Plan	Y	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection	N/A	9 VAC 20-80-300 B 2	
2.	Assessment	N/A	9 VAC 20-80-300 B 3	
3.	Phase I	Y	9 VAC 20-80-300 C 3	
4.	Phase II	Y	9 VAC 20-80-300 C 4	
5.	GPS	N/A	9 VAC 20-80-300 B 3 h	
6.	Corrective Action	N/A	9 VAC 20-80-310	
7.	Phase III	N/A	No longer applicable	
8.	Selection of Remedy	N/A	9 VAC 20-80-310 B	
9.	Implementation of CA	N/A	9 VAC 20-80-310 C	
10.	GW Monitoring System	Y	9 VAC 20-80-300 A 3	
11.	Wetlands Legislation	N/A		
a.	Demonstration Approved	N/A		
b.	Quarterly Monitoring	Y		

VII.	Operations Manual			
A.	Service Information	Y	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Exclusively for Bear Island Paper Company (BIPCO) and will accept only non-hazardous waste generated from BIPCO normal plant operations. Section II, Page 2 of Permit Module II.
B.	Personnel	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D	Operation Manager/Equipment Operator - 1. Section A, Page 3 of Permit Module II.
C.	Site Access	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1	Section A, page 6 of Permit Module II.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
1.	Hours of Operation	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section A.1, Page 6 of Permit Module II. Monday through Sunday = 6:00 am - 7:00 pm.
2.	Traffic Routing	Y	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section A.2, page 6 of Permit Module II.
D.	Waste Handling	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section B, Page 6 of Permit Module II.
1.	Types of Wastes	Y	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14	Section B.1, Page 6 of Permit Module II.
2.	Litter Control	Y	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	Section B.2, Page 7 of Permit Module II.
3.	Dust, Odor, Vectors Control	Y	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2	Section B.3, Page 7 of Permit Module II.
4.	Open Burning	Y	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	Section B.4, Page 7 of Permit Module II.
5.	Unauthorized Waste Acceptance Plan	N/A	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	
E.	Filling Operation	Y	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15	Section B.7, Page 7 of Permit Module II.
F.	Handling of Special Wastes	Y	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-250 C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11	Section B.9, Page 8 of Permit Module II.
G.	Equipment	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section C, Page 8 of Permit Module II.
H.	Compaction and Cover	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40, & 9 VAC 20-80-270 C 11	Section D, Page 9 of Permit Module II.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
1.	ADC Approvals	N/A	9 VAC 20-80-250 C 2 c	No materials have been approved as ADC for this facility.
I.	Safety	Y	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h	Section E, Page 10 of Permit Module II.
J.	Inspection	Y	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f	Section F, Page 14 of Permit Module II.
K.	Control & Monitoring of Liquids & Gases	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section VI, Page 19 of Permit Module II.
L.	Records	Y	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section VII, Page 20 of Permit Module II.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
VIII.	Closure Plan			
A.	General	Y	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80-320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20-80-560	Former Regulation citations have been referenced in this section that needs to be updated.
1.	Units & Status	Y	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	
2.	Capped Area Approvals	N/A	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7	
B.	Time-frames for Closure	Y	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E	Section A.1, Page 3 of Permit Module XII.
C.	Closure of Disposal Units	Y	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C	Section A.4, Page 5 of Permit Module XII.
1.	Surface Impoundments	N	9 VAC 20-80-380 B	
D.	Cover Design	Y	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)	Section A.4.1, Page 6 of Permit Module XII.
E.	E&S Control Plan	Y	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)	Section A.4.3, Page 6 of Permit Module XII.
F.	Schedule for Closure	Y	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(2), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3	Section A.5, Page 7 of Permit Module XII.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
G.	Notification	Y	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 5, & 9 VAC 20-80-270 E 6	Section A.7, Page 8 of Permit Module XII.
H.	Inspection	N/A	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	

IX.	Post Closure Plan			
A.	General	Y	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F	
1.	Post Closure Period Required	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	Section B.8, Page 14 of Permit Module XII.
2.	Years Remaining	N/A	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	The facility is active.
B.	Monitoring Plan	Y	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	Section B.5, Page 12 of Permit Module XII.
C.	Post Closure Uses	Y	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c	Section I, page 1 of Permit Module XII. It says, "At this time, BIPCO has no plans for long term use of the closed facility other than providing the proper post-closure care in accordance with regulations and the approved closure plan."

X.	Financial Assurance			
			9 VAC 20-70-10	
A.	Cost Est. Approval	Y	9 VAC 20-70-111 & 112	
B.	Mechanism	Y	9 VAC 20-70-140	Per CEDS the facility is in compliance until 4/30/2004.



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: J. Godfrey
 Date Reviewed: 3/31/04
 Facility Type: CDD Landfill
 Facility Name: Ashcake Landfill
 Permit No.: 574
 Permit Issued Date: 9/15/94
 Amendment 1 Date: 8/29/95
 Amendment 2 Date: 4/17/00
 Amendment 3 Date: 9/11/01
 HB1205 Ranking: NA
 Title V: NA

Findings/Deficiencies: 1. The Gas Management Plan is not consistent with the requirements of 9 VAC 20-80-260.B.9; no demonstration that gas formation is unlikely is included.
 2. The final cover design provides for a 6-inch protective cover/vegetative support layer. This may be adequate for frost protection but provides minimal protection of the soil barrier layer from erosional effects.

Applicable Regs. By
Facility Type:

Sanitary Landfill	CDD Landfill	Industrial Landfill	Transfer Station
9 VAC 20-80-250	9 VAC 20-80-260	9 VAC 20-80-270	9 VAC 20-80-340
9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-320
			9 VAC 20-80-540
Material Recovery	Eng. Rec. & Incin.	Surface Impound.	
9 VAC 20-80-360	9 VAC 20-80-370	9 VAC 20-80-380	
9 VAC 20-80-320	9 VAC 20-80-320	9 VAC 20-80-320	
9 VAC 20-80-540	9 VAC 20-80-530	9 VAC 20-80-540	

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	Y	9 VAC 20-80-500 C	
B.	Approval Date:	mm/dd/yy		
C.	1993 Subtitle D Amendment	NA	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	
D.	Part A Expansion	NA		

II.	General Site Plans			
A.	Existing Site Conditions	Y	9 VAC 20-80-520 A 1 b	
B.	Base Grade Plan	Y	9 VAC 20-80-520 A 1 c	
C.	Modification Plans	Y	9 VAC 20-80-520 A 1 d	
D.	Phasing Plan	Y	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	
E.	Cross Sections	Y	9 VAC 20-80-520 A 1 h	
F.	Flood Plain	Y	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	
G.	Wetlands	N	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	
H.	General Facility Info	Y	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	
I.	Site Access	Y	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
J.	Utilities	Y	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	
K.	Aesthetics	Y	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	
L.	Location of Cells	Y	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

M.	Benchmarks	Y	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	
N.	Borrow & Stockpile Areas	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)	
O.	Final Site Topography Plan	Y	9 VAC 20-80-520 A 1 e	
P.	Monitoring Plan	Y	9 VAC 20-80-520 A 1 g	

III.	Liners			
A.	Regulatory Requirements	N		
1.	Sanitary Landfills	NA	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2	
2.	Other Landfills	Y	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2	
B.	Design Plans and Report			
1.	Liner System	Y	9 VAC 20-80-520 B 2	
a.	Composite	NA		
b.	Single Liner	Y		Compacted clay
c.	None	NA		
2.	Piggy Backing	NA		

IV.	Liquids Management System			
A.	Leachate Collection & Control			
1.	Leachate Disposal	Y	9 VAC 20-80-290 D	
a.	POTW	Y	9 VAC 20-80-290 D 1	
b.	Recirculation	NA	9 VAC 20-80-290 D 3	
c.	Other	Y	9 VAC 20-80-290 D	Pump and haul as a contingency
2.	Leachate Management Plan	Y	9 VAC 20-80-290	
a.	Collection System	Y	9 VAC 20-80-290 A 2	
b.	Storage	Y	9 VAC 20-80-290 A 3	
c.	Leachate Treatment	NA	9 VAC 20-80-290 D 4	
B.	Run-on Control System	Y	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

C.	Run-off Control System	Y	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j	
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V. Gas Management System				
A.	Management Plan	Y	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	Contingent on gas generation.
1.	General Requirements	Y	9 VAC 20-80-280 A	
2.	Monitoring	Y	9 VAC 20-80-280 B,C, & D	
3.	Control	N	9 VAC 20-80-280 E	
4.	Contingency Plan	Y	9 VAC 20-80-280 E 1 a	
5.	Clean Air Act/ VA Operating Permit	NA	9 VAC 20-80-280 E 3	
B.	Remediation Plan	NA	9 VAC 20-80-280 E 1 c	
1.	Active			
2.	Passive			
3.	Combination			

VI. Groundwater Monitoring				
A.	Groundwater Monitoring Plan	Y	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection		9 VAC 20-80-300 B 2	
2.	Assessment		9 VAC 20-80-300 B 3	
3.	Phase I	Y	9 VAC 20-80-300 C 3	
4.	Phase II	Y	9 VAC 20-80-300 C 4	
5.	GPS	NA	9 VAC 20-80-300 B 3 h	
6.	Corrective Action	NA	9 VAC 20-80-310	
7.	Phase III	NA	No longer applicable	
8.	Selection of Remedy	NA	9 VAC 20-80-310 B	
9.	Implementation of CA	NA	9 VAC 20-80-310 C	

10.	GW Monitoring System	Y	9 VAC 20-80-300 A 3	
11.	Wetlands Legislation	NA		
a.	Demonstration Approved	NA		
b.	Quarterly Monitoring	NA		

VII.	Operations Manual			
A.	Service Information	Y	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
B.	Personnel	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D	
C.	Site Access	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1	
1.	Hours of Operation	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
2.	Traffic Routing	Y	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
D.	Waste Handling	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
1.	Types of Wastes	Y	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14	
2.	Litter Control	Y	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	
3.	Dust, Odor, Vectors	Y	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2	

4.	Open Burning	Y	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	
5.	Unauthorized Waste Acceptance Plan	Y	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	
E.	Filling Operation	Y	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15	
F.	Handling of Special Wastes	Y	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11	Permit prohibits acceptance of special waste.
G.	Equipment	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
H.	Compaction and Cover	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40 , & 9 VAC 20-80-270 C 11	
I.	ADC Approvals	NA	9 VAC 20-80-250 C 2 c	
I.	Safety	Y	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h	
J.	Inspection	Y	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f	
K.	Control & Monitoring of Liquids & Gases	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
L.	Records	Y	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	

VIII.	Closure Plan			
A.	General	Y	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80-320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20-80-560	
1.	Units & Status	Y	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	
2.	Capped Area Approvals	NA	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7	
B.	Time-frames for Closure	Y	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E	
C.	Closure of Disposal Units	Y	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C	
1.	Surface Impoundments	NA	9 VAC 20-80-380 B	
D.	Cover Design	Y	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)	Design provides for soil barrier layer covered by 6 inches of topsoil for protective cover. For adequate protection of the barrier layer, at least 12 inches of protective cover should be considered.
E.	E&S Control Plan	Y	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)	
F.	Schedule for Closure	Y	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(2), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3	
G.	Notification	Y	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 5, & 9 VAC 20-80-270 E 6	

H.	Inspection	Y	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	
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IX.	Post Closure Plan			
A.	General	Y	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F	
1.	Post Closure Period Required	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	Addressed in permit (referenced to VSWMR), but specific period not provided
2.	Years Remaining	NA	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
B.	Monitoring Plan	Y	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	
C.	Post Closure Uses	Y	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c	

X.	Financial Assurance		9 VAC 20-70-10	
A.	Cost Est. Approval	Y	9 VAC 20-70-111 & 112	
B.	Mechanism	Y	9 VAC 20-70-140	



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: Heebin Cheung
 Date Reviewed: 3/16/04
 Facility Type: Sanitary Landfill(LF)
 Facility Name: Fauquier Co SWMF
 Permit No.: 575
 Permit Issued Date: 9/23/94
 Amendment 1 Date: 12/6/95
 Amendment 2 Date: 8/13/98
 Amendment 3 Date: 12/20/01
 HB1205 Ranking: N/A
 Title V: No

Findings/Deficiencies:

- Part A approval letter is not contained in the permit.
- Wetlands info. (II.G) not referenced in the permit.
- Does not have a detailed and site specific gas management plan, contingency plan, and remediation plan in the permit.
- Unauthorized Waste Plan is not in the permit
- VIII.H, inspection requirements are not contained in the permit.
- IX.C Post closure use of the site is not referenced in the permit.
- Financial Assurance information (section X) is not provided in the permit.
- **notes
- *A revised Operations Manual to include an active landfill gas collection system and to reflect current landfill gas monitoring procedures was submitted and is under review.
- *The facility is in detection groundwater monitoring program and GPS has not been established yet.

Applicable Regs. By
Facility Type:

Sanitary Landfill	CDD Landfill	Industrial Landfill	Transfer Station
9 VAC 20-80-250	9 VAC 20-80-260	9 VAC 20-80-270	9 VAC 20-80-340
9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-320
			9 VAC 20-80-540
Material Recovery	Eng. Rec. & Incin.	Surface Impound.	
9 VAC 20-80-360	9 VAC 20-80-370	9 VAC 20-80-380	
9 VAC 20-80-320	9 VAC 20-80-320	9 VAC 20-80-320	
9 VAC 20-80-540	9 VAC 20-80-530	9 VAC 20-80-540	

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	Y	9 VAC 20-80-500 C	
B.	Approval Date:	10/5/92		
C.	1993 Subtitle D Amendment		9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	
D.	Part A Expansion	N		

II.	General Site Plans			
A.	Existing Site Conditions	Y	9 VAC 20-80-520 A 1 b	
B.	Base Grade Plan	Y	9 VAC 20-80-520 A 1 c	
C.	Modification Plans	Y	9 VAC 20-80-520 A 1 d	
D.	Phasing Plan	Y	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	
E.	Cross Sections	Y	9 VAC 20-80-520 A 1 h	
F.	Flood Plain	Y	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	
G.	Wetlands	N	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	Demonstration approved See VI.A.11
H.	General Facility Info	Y	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	
I.	Site Access	Y	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
J.	Utilities	Y	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	
K.	Aesthetics	Y	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	
L.	Location of Cells	Y	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

M.	Benchmarks	Y	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	
N.	Borrow & Stockpile Areas	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)	
O.	Final Site Topography Plan	Y	9 VAC 20-80-520 A 1 e	
P.	Monitoring Plan	Y	9 VAC 20-80-520 A 1 g	

III. Liners				
A.	Regulatory Requirements			
1.	Sanitary Landfills	Y	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2	
2.	Other Landfills		9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2	
B.	Design Plans and Report			
1.	Liner System	Y	9 VAC 20-80-520 B 2	
a.	Composite	Y		2' soil layer (max. permeability 1x10 ⁻⁷ cm/sec) and 60 mil HDPE
b.	Single Liner			
c.	None			
2.	Piggy Backing	N		

IV. Liquids Management System				
A.	Leachate Collection & Control			
1.	Leachate Disposal		9 VAC 20-80-290 D	Section V of the design plan has not been updated to include leachate recirculation (LR). LR operation added in as an addendum to Ops Plan.
a.	POTW	Y	9 VAC 20-80-290 D 1	Used as contingency
b.	Recirculation	Y	9 VAC 20-80-290 D 3	Approved on 8/13/98 and included in OP as Addendum
c.	Other		9 VAC 20-80-290 D	
2.	Leachate Management Plan	Y	9 VAC 20-80-290	
a.	Collection System	Y	9 VAC 20-80-290 A 2	18" VDOT Stone #78 stone
b.	Storage	Y	9 VAC 20-80-290 A 3	two leachate storage ponds
c.	Leachate Treatment	N	9 VAC 20-80-290 D 4	
B.	Run-on Control System	Y	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

C.	Run-off Control System	Y	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j	
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V.	Gas Management System			
A.	Management Plan	Y	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	
1.	General Requirements	Y	9 VAC 20-80-280 A	
2.	Monitoring	Y	9 VAC 20-80-280 B,C, & D	
3.	Control	Y	9 VAC 20-80-280 E	Needs to be updated. Facility submitted an amendment in May 2000 for voluntary construction & operation of an active gas collection system.
4.	Contingency Plan	N	9 VAC 20-80-280 E 1 a	
5.	Clean Air Act/ VA Operating Permit	N	9 VAC 20-80-280 E 3	
B.	Remediation Plan	N	9 VAC 20-80-280 E 1 c	
1.	Active			The facility currently has an active gas system
2.	Passive			
3.	Combination			

VI.	Groundwater Monitoring			
A.	Groundwater Monitoring Plan	Y	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection	Y	9 VAC 20-80-300 B 2	Facility in Detection Monitoring: Began groundwater monitoring in 1994 and maintains in Detection Monitoring program
2.	Assessment	Y	9 VAC 20-80-300 B 3	
3.	Phase I	N/A	9 VAC 20-80-300 C 3	
4.	Phase II	N/A	9 VAC 20-80-300 C 4	
5.	GPS	N	9 VAC 20-80-300 B 3 h	Not established yet
6.	Corrective Action	N	9 VAC 20-80-310	Not required yet
7.	Phase III	N/A	No longer applicable	
8.	Selection of Remedy	N	9 VAC 20-80-310 B	Not required yet

9.	Implementation of CA	N	9 VAC 20-80-310 C	Not required yet
10.	GW Monitoring System	Y	9 VAC 20-80-300 A 3	Upgradient: MW-8; Downgradient: MW-9, MW-15, MW-16. MW-15 & 16 installed in 2/2002 to replace MW-10 and MW-11
11.	Wetlands Legislation	Y		
a.	Demonstration Approved	Y		
b.	Quarterly Monitoring	N		Semi-annual

VII.	Operations Manual			
A.	Service Information	Y	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
B.	Personnel	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D	
C.	Site Access	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1	
1.	Hours of Operation	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
2.	Traffic Routing	Y	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
D.	Waste Handling	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
1.	Types of Wastes	Y	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14	
2.	Litter Control	Y	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	
3.	Dust, Odor, Vectors	Y	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2	

4.	Open Burning	Y	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	
5.	Unauthorized Waste Acceptance Plan	N	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	The facility has a separate plan but is not incorporated into the permit. A last revised Feb. 2002.
E.	Filling Operation	Y	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15	
F.	Handling of Special Wastes	Y	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11	
G.	Equipment	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
H.	Compaction and Cover	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 f, & 9 VAC 20-80-270 C 11	
I.	ADC Approvals	Y	9 VAC 20-80-250 C 2 c	Should be revised to clarify and update info.
I.	Safety	Y	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h	
J.	Inspection	Y	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f	
K.	Control & Monitoring of Liquids & Gases	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
L.	Records	Y	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	

VIII.	Closure Plan			
A.	General		9 VAC 20-80-250 E, 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80-320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20-80-560	
1.	Units & Status	Y	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	Under section I.A.1 "Closure Time Frame"
2.	Capped Area Approvals	Y	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7	Under section I.A.1 "Closure Time Frame"
B.	Time-frames for Closure	Y	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E	
C.	Closure of Disposal Units	Y	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C	
1.	Surface Impoundments	Y	9 VAC 20-80-380 B	
D.	Cover Design	Y	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)	
E.	E&S Control Plan	Y	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)	Under section I.A.4.c & d (Maintenance needs & Drainage and Erosion)
F.	Schedule for Closure	Y	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(2), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3	
G.	Notification	Y	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 5, & 9 VAC 20-80-270 E 6	

H.	Inspection	N	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	
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IX.	Post Closure Plan			
A.	General		9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F	
1.	Post Closure Period Required	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
2.	Years Remaining	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
B.	Monitoring Plan	Y	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	
C.	Post Closure Uses	N	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c	

X.	Financial Assurance		9 VAC 20-70-10	
A.	Cost Est. Approval	N	9 VAC 20-70-111 & 112	
B.	Mechanism	N	9 VAC 20-70-140	



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: Jenny Knepper
Date Reviewed: 3/22/04
Facility Type: Sanitary Landfill
Facility Name: Franklin County Sanitary Landfill
Permit No.: 577
Permit Issued Date: 10/18/94 * FACILITY HAS NOT BEEN CONSTRUCTED
Amendment 1 Date: n/a
Amendment 2 Date: n/a
Amendment 3 Date: n/a
HB1205 Ranking: n/a
Title V: n/a

Findings/Deficiencies: Please note that this facility has not been constructed.
The Closure Plan also requires submittal of an updated Closure Plan 180 days prior to closure.
Financial Assurance has not been submitted or approved since facility has not been constructed.
Gas Management was discussed in Design Report but there is not a separate Gas Mgmt Plan.
The facility does not have an Unauthorized Waste Acceptance Plan.

Applicable Regs. By
Facility Type: **Sanitary Landfill**
9 VAC 20-80-250
9 VAC 20-80-520

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	Yes	9 VAC 20-80-500 C	
B.	Approval Date:	No		
C.	1993 Subtitle D Amendment	Yes	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	
D.	Part A Expansion	n/a		

II.	General Site Plans			
A.	Existing Site Conditions	Yes	9 VAC 20-80-520 A 1 b	
B.	Base Grade Plan	Yes	9 VAC 20-80-520 A 1 c	
C.	Modification Plans	Yes	9 VAC 20-80-520 A 1 d	
D.	Phasing Plan	Yes	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	
E.	Cross Sections	Yes	9 VAC 20-80-520 A 1 h	
F.	Flood Plain	Yes	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	
G.	Wetlands	No	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	Not referenced
H.	General Facility Info	Yes	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	
I.	Site Access	Yes	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
J.	Utilities	Yes	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	
K.	Aesthetics	Yes	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	
L.	Location of Cells	Yes	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	
M.	Benchmarks	Yes	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	

N.	Borrow & Stockpile Areas	Yes	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)		
O.	Final Site Topography Plan	Yes	9 VAC 20-80-520 A 1 e		
P.	Monitoring Plan	Yes	9 VAC 20-80-520 A 1 g		

III.	Liners				
A.	Regulatory Requirements				
1.	Sanitary Landfills	Yes	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2		
2.	Other Landfills	n/a	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2		
B.	Design Plans and Report	Yes			
1.	Liner System	Yes	9 VAC 20-80-520 B 2		
a.	Composite	Yes			
b.	Single Liner	n/a			
c.	None	n/a			
2.	Piggy Backing	n/a			

IV.	Liquids Management System				
A.	Leachate Collection & Control				
1.	Leachate Disposal	Yes	9 VAC 20-80-290 D		
a.	POTW	Yes	9 VAC 20-80-290 D 1		
b.	Recirculation	No	9 VAC 20-80-290 D 3		
c.	Other	n/a	9 VAC 20-80-290 D		
2.	Leachate Management Plan	No	9 VAC 20-80-290		
a.	Collection System	Yes	9 VAC 20-80-290 A 2		
b.	Storage	Yes	9 VAC 20-80-290 A 3		
c.	Leachate Treatment	Yes	9 VAC 20-80-290 D 4		
B.	Run-on Control System	Yes	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j		
C.	Run-off Control System	Yes	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j		

V.	Gas Management System				
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A.	Management Plan	No	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	Is covered in Design Report	
1.	General Requirements	Yes	9 VAC 20-80-280 A		
2.	Monitoring	Yes	9 VAC 20-80-280 B,C, & D		
3.	Control	Yes	9 VAC 20-80-280 E		
4.	Contingency Plan	Yes	9 VAC 20-80-280 E 1 a	*For fire mainly	
5.	Clean Air Act/ VA Operating Permit	n/a	9 VAC 20-80-280 E 3		
B.	Remediation Plan	n/a	9 VAC 20-80-280 E 1 c		
1.	Active	n/a			
2.	Passive	n/a			
3.	Combination	n/a			

VI. Groundwater Monitoring					
A.	Groundwater Monitoring Plan	Yes	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2		
1.	Detection	n/a	9 VAC 20-80-300 B 2		
2.	Assessment	n/a	9 VAC 20-80-300 B 3		
3.	Phase I	n/a	9 VAC 20-80-300 C 3		
4.	Phase II	n/a	9 VAC 20-80-300 C 4		
5.	GPS	n/a	9 VAC 20-80-300 B 3 h		
6.	Corrective Action	n/a	9 VAC 20-80-310		
7.	Phase III	n/a	No longer applicable		
8.	Selection of Remedy	n/a	9 VAC 20-80-310 B		
9.	Implementation of CA	n/a	9 VAC 20-80-310 C		
10.	GW Monitoring System	n/a	9 VAC 20-80-300 A 3		
11.	Wetlands Legislation	n/a			
a.	Demonstration Approved	n/a			
b.	Quarterly Monitoring	n/a			

VII.	Operations Manual				
A.	Service Information	Yes	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
B.	Personnel	Yes	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D		
C.	Site Access	Yes	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1		
1.	Hours of Operation	Yes	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
2.	Traffic Routing	Yes	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
D.	Waste Handling	Yes	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
1.	Types of Wastes	Yes	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14		
2.	Litter Control	Yes	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2		
3.	Dust, Odor, Vectors	Yes	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2		
4.	Open Burning	Yes	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	Only for land clearing debris.	
5.	Unauthorized Waste Acceptance Plan	No	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f		
E.	Filling Operation	Yes	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15		

F.	Handling of Special Wastes	Yes	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11		
G.	Equipment	Yes	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
H.	Compaction and Cover	Yes	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40 , & 9 VAC 20-80-270 C 11		
I.	ADC Approvals	n/a	9 VAC 20-80-250 C 2 c		
I.	Safety	Yes	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h		
J.	Inspection	Yes	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f		
K.	Control & Monitoring of Liquids & Gases	Yes	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
L.	Records	Yes	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		

VIII. Closure Plan						
A.	General	Yes	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80- 320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80- 380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20- 80-560			
1.	Units & Status	No	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	Does not state that closure should begin no later than 30 days after receipt of final waste.		
2.	Capped Area Approvals	Yes	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7			
B.	Time-frames for Closure	No	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E			
C.	Closure of Disposal Units	Yes	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C			
1.	Surface Impoundments	n/a	9 VAC 20-80-380 B			
D.	Cover Design	Yes	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)			
E.	E&S Control Plan	Yes	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)			
F.	Schedule for Closure	No	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(4), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3			
G.	Notification	Yes	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 4, & 9 VAC 20-80-270 E 6			

H.	Inspection	No	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	Discusses Post Closure inspections but does not discuss DEQ final inspection to verify closing is complete and adequate.	
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IX.	Post Closure Plan				
A.	General	Yes	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F		
1.	Post Closure Period Required	Yes	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1		
2.	Years Remaining	n/a	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1		
B.	Monitoring Plan	Yes	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a		
C.	Post Closure Uses	Yes	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c		

X.	Financial Assurance		9 VAC 20-70-10		
A.	Cost Est. Approval	n/a	9 VAC 20-70-111 & 112	Cost Estimate not included in Closure Plan	
B.	Mechanism	n/a	9 VAC 20-70-140		



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: Jim Stump
 Date Reviewed: 4/1/04
 Facility Type: Sanitary Landfill
 Facility Name: Buchanan County
 Permit No.: 578
 Permit Issued Date: 5/11/95
 Amendment 1 Date: _____
 Amendment 2 Date: _____
 Amendment 3 Date: _____
 HB1205 Ranking: N/A
 Title V: N

Findings/Deficiencies: Permit does not contain a Cost Estimate. The facility has not been constructed. Permit does not indicate quarterly monitoring consistent with requirements of the wetlands legislation. No reference to regulated medical waste as being excluded. Special waste section does not reference petroleum contaminated soils, lead acid batteries, or abestos material. Permit does not contain an unauthorized waste acceptance plan.

Applicable Regs. By
Facility Type:

Sanitary Landfill	CDD Landfill	Industrial Landfill	Transfer Station
9 VAC 20-80-250	9 VAC 20-80-260	9 VAC 20-80-270	9 VAC 20-80-340
9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-320
			9 VAC 20-80-540
Material Recovery	Eng. Rec. & Incin.	Surface Impound.	
9 VAC 20-80-360	9 VAC 20-80-370	9 VAC 20-80-380	
9 VAC 20-80-320	9 VAC 20-80-320	9 VAC 20-80-320	
9 VAC 20-80-540	9 VAC 20-80-530	9 VAC 20-80-540	

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	Y	9 VAC 20-80-500 C	
B.	Approval Date:	3/19/93		
C.	1993 Subtitle D Amendment	Y	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	
D.	Part A Expansion	N		

II.	General Site Plans			
A.	Existing Site Conditions	Y	9 VAC 20-80-520 A 1 b	
B.	Base Grade Plan	Y	9 VAC 20-80-520 A 1 c	
C.	Modification Plans	Y	9 VAC 20-80-520 A 1 d	
D.	Phasing Plan	Y	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	
E.	Cross Sections	Y	9 VAC 20-80-520 A 1 h	
F.	Flood Plain	Y	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	
G.	Wetlands	N	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	
H.	General Facility Info	Y	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	
I.	Site Access	Y	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
J.	Utilities	Y	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	
K.	Aesthetics	Y	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	
L.	Location of Cells	Y	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

M.	Benchmarks	Y	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	
N.	Borrow & Stockpile Areas	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)	
O.	Final Site Topography Plan	Y	9 VAC 20-80-520 A 1 e	
P.	Monitoring Plan	Y	9 VAC 20-80-520 A 1 g	

III.	Liners			
A.	Regulatory Requirements			
1.	Sanitary Landfills	Y	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2	
2.	Other Landfills	N	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2	
B.	Design Plans and Report	Y		
1.	Liner System	Y	9 VAC 20-80-520 B 2	
a.	Composite	Y		
b.	Single Liner	N		
c.	None	N/A		
2.	Piggy Backing	N		

IV.	Liquids Management System			
A.	Leachate Collection & Control			
1.	Leachate Disposal	Y	9 VAC 20-80-290 D	
a.	POTW	Y	9 VAC 20-80-290 D 1	
b.	Recirculation	N	9 VAC 20-80-290 D 3	
c.	Other	N	9 VAC 20-80-290 D	
2.	Leachate Management Plan	Y	9 VAC 20-80-290	
a.	Collection System	Y	9 VAC 20-80-290 A 2	
b.	Storage	Y	9 VAC 20-80-290 A 3	
c.	Leachate Treatment	N	9 VAC 20-80-290 D 4	
B.	Run-on Control System	Y	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

C.	Run-off Control System	Y	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j	
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V.	Gas Management System			
A.	Management Plan	Y	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	
1.	General Requirements	Y	9 VAC 20-80-280 A	
2.	Monitoring	Y	9 VAC 20-80-280 B,C, & D	
3.	Control	Y	9 VAC 20-80-280 E	
4.	Contingency Plan	Y	9 VAC 20-80-280 E 1 a	
5.	Clean Air Act/ VA Operating Permit	N	9 VAC 20-80-280 E 3	
B.	Remediation Plan	N	9 VAC 20-80-280 E 1 c	
1.	Active			
2.	Passive			
3.	Combination			

VI.	Groundwater Monitoring			
A.	Groundwater Monitoring Plan	Y	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection	Y	9 VAC 20-80-300 B 2	
2.	Assessment	Y	9 VAC 20-80-300 B 3	
3.	Phase I	N	9 VAC 20-80-300 C 3	
4.	Phase II	N	9 VAC 20-80-300 C 4	
5.	GPS	N	9 VAC 20-80-300 B 3 h	
6.	Corrective Action	N	9 VAC 20-80-310	
7.	Phase III	N	No longer applicable	
8.	Selection of Remedy	N	9 VAC 20-80-310 B	
9.	Implementation of CA	N	9 VAC 20-80-310 C	

10.	GW Monitoring System	Y	9 VAC 20-80-300 A 3	
11.	Wetlands Legislation	N		No quarterly monitoring in permit
a.	Demonstration Approved	N		
b.	Quarterly Monitoring	N		

VII.	Operations Manual			
A.	Service Information	Y	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
B.	Personnel	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D	
C.	Site Access	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1	
1.	Hours of Operation	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
2.	Traffic Routing	Y	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
D.	Waste Handling	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
1.	Types of Wastes	Y	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14	No reference to regulated medical waste
2.	Litter Control	Y	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	
3.	Dust, Odor, Vectors	Y	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2	

4.	Open Burning	Y	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	
5.	Unauthorized Waste Acceptance Plan	N	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	
E.	Filling Operation	Y	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15	
F.	Handling of Special Wastes	Y	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11	No reference to petroleum contaminated soils, lead acid batteries, or asbestos containing material
G.	Equipment	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
H.	Compaction and Cover	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40 , & 9 VAC 20-80-270 C 11	
I.	ADC Approvals	N	9 VAC 20-80-250 C 2 c	
I.	Safety	Y	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h	
J.	Inspection	Y	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f	
K.	Control & Monitoring of Liquids & Gases	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
L.	Records	Y	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	

VIII.	Closure Plan			
A.	General	Y	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80-320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20-80-560	
1.	Units & Status	Y	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	
2.	Capped Area Approvals	N	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7	
B.	Time-frames for Closure	Y	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E	
C.	Closure of Disposal Units	N	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C	
1.	Surface Impoundments	N/A	9 VAC 20-80-380 B	
D.	Cover Design	Y	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)	
E.	E&S Control Plan	Y	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)	
F.	Schedule for Closure	Y	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(2), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3	
G.	Notification	Y	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 5, & 9 VAC 20-80-270 E 6	

H.	Inspection	Y	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	
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IX.	Post Closure Plan			
A.	General	Y	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F	
1.	Post Closure Period Required	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
2.	Years Remaining	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
B.	Monitoring Plan	Y	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	
C.	Post Closure Uses	N	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c	

X.	Financial Assurance		9 VAC 20-70-10	
A.	Cost Est. Approval	N	9 VAC 20-70-111 & 112	
B.	Mechanism	N	9 VAC 20-70-140	



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: Brunson & Borum
 Date Reviewed: 29-Mar-04
 Facility Type: Sanitary
 Facility Name: Bethel Landfill
 Permit No.: 580
 Permit Issued Date: 12-May-95
 Amendment 1 Date: 24-Jul-96
 Amendment 2 Date: 22-Oct-96
 Amendment 3 Date: 18-Aug-02
 HB1205 Ranking: _____
 Title V: 28-Apr-03

Findings/Deficiencies:

Permit incorporates old closed area previously permitted under PN 521.

 Under Section II.G, there is no reference to wetlands contained at that location in the permit.
 The Unauthorized Waste Acceptance Plan is not in the permit.

Applicable Regs. By
Facility Type:

Sanitary Landfill	CDD Landfill	Industrial Landfill	Transfer Station
9 VAC 20-80-250	9 VAC 20-80-260	9 VAC 20-80-270	9 VAC 20-80-340
9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-320
			9 VAC 20-80-540
Material Recovery	Eng. Rec. & Incin.	Surface Impound.	
9 VAC 20-80-360	9 VAC 20-80-370	9 VAC 20-80-380	
9 VAC 20-80-320	9 VAC 20-80-320	9 VAC 20-80-320	
9 VAC 20-80-540	9 VAC 20-80-530	9 VAC 20-80-540	

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	Y	9 VAC 20-80-500 C	
B.	Approval Date:	3/8/94		
C.	1993 Subtitle D Amendment	Y	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	
D.	Part A Expansion	Y		The Part A approval referenced above was for the expansion.

II.	General Site Plans			
A.	Existing Site Conditions	Y	9 VAC 20-80-520 A 1 b	
B.	Base Grade Plan	Y	9 VAC 20-80-520 A 1 c	
C.	Modification Plans	Y	9 VAC 20-80-520 A 1 d	
D.	Phasing Plan	Y	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	
E.	Cross Sections	Y	9 VAC 20-80-520 A 1 h	
F.	Flood Plain	Y	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	
G.	Wetlands	N	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	There is no reference to wetlands found at this location in the permit.
H.	General Facility Info	Y	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	
I.	Site Access	Y	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
J.	Utilities	Y	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	
K.	Aesthetics	Y	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	
L.	Location of Cells	Y	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

M.	Benchmarks	Y	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	
N.	Borrow & Stockpile Areas	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)	
O.	Final Site Topography Plan	Y	9 VAC 20-80-520 A 1 e	
P.	Monitoring Plan	Y	9 VAC 20-80-520 A 1 g	

III.	Liners			
A.	Regulatory Requirements			
1.	Sanitary Landfills	Y	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2	
2.	Other Landfills	NA	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2	
B.	Design Plans and Report	Y		
1.	Liner System	Y	9 VAC 20-80-520 B 2	
a.	Composite	Y		
b.	Single Liner	NA		
c.	None	Y		Old closed 521 area.
2.	Piggy Backing	Y		

IV.	Liquids Management System			
A.	Leachate Collection & Control			
1.	Leachate Disposal	Y	9 VAC 20-80-290 D	
a.	POTW	Y	9 VAC 20-80-290 D 1	
b.	Recirculation	N	9 VAC 20-80-290 D 3	
c.	Other		9 VAC 20-80-290 D	
2.	Leachate Management Plan	Y	9 VAC 20-80-290	
a.	Collection System	Y	9 VAC 20-80-290 A 2	
b.	Storage	Y	9 VAC 20-80-290 A 3	
c.	Leachate Treatment	N	9 VAC 20-80-290 D 4	
B.	Run-on Control System	Y	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

C.	Run-off Control System	Y	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j	
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V. Gas Management System				
A.	Management Plan	Y	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	
1.	General Requirements	Y	9 VAC 20-80-280 A	
2.	Monitoring	Y	9 VAC 20-80-280 B,C, & D	
3.	Control	Y	9 VAC 20-80-280 E	
4.	Contingency Plan	Y	9 VAC 20-80-280 E 1 a	Contained in the Safety Plan.
5.	Clean Air Act/ VA Operating Permit	Y	9 VAC 20-80-280 E 3	Bethel Landfill currently has an existing Title V permit dated April 28, 2003. The current permit expires on April 28, 2008.
B.	Remediation Plan	NA	9 VAC 20-80-280 E 1 c	
1.	Active			
2.	Passive			
3.	Combination			

VI. Groundwater Monitoring				
A.	Groundwater Monitoring Plan	Yes	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection	Yes	9 VAC 20-80-300 B 2	
2.	Assessment	N/A	9 VAC 20-80-300 B 3	
3.	Phase I	N/A	9 VAC 20-80-300 C 3	
4.	Phase II	N/A	9 VAC 20-80-300 C 4	
5.	GPS	N/A	9 VAC 20-80-300 B 3 h	
6.	Corrective Action	N/A	9 VAC 20-80-310	
7.	Phase III	N/A	No longer applicable	
8.	Selection of Remedy	N/A	9 VAC 20-80-310 B	
9.	Implementation of CA	N/A	9 VAC 20-80-310 C	

10.	GW Monitoring System	Yes	9 VAC 20-80-300 A 3	
11.	Wetlands Legislation	Yes		
a.	Demonstration Approved	Yes		Demonstration approved in letter dated 11/10/1999
b.	Quarterly Monitoring	No		

VII.	Operations Manual			
A.	Service Information	Y	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
B.	Personnel	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D	
C.	Site Access	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1	
1.	Hours of Operation	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
2.	Traffic Routing	Y	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
D.	Waste Handling	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
1.	Types of Wastes	Y	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14	
2.	Litter Control	Y	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	
3.	Dust, Odor, Vectors	Y	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2	

4.	Open Burning	Y	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	
5.	Unauthorized Waste Acceptance Plan	Y and N	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	Permit contains provisions for waste screening, but not to the level of detail required by Amendment 3 of the VSWMR
E.	Filling Operation	Y	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15	
F.	Handling of Special Wastes	Y	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11	
G.	Equipment	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
H.	Compaction and Cover	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40 , & 9 VAC 20-80-270 C 11	
I.	ADC Approvals	Y	9 VAC 20-80-250 C 2 c	Provisions for geomembranes and tire chips
I.	Safety	Y	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h	
J.	Inspection	Y	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f	
K.	Control & Monitoring of Liquids & Gases	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
L.	Records	Y	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	

VIII.	Closure Plan			
A.	General	Y	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80-320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9	
1.	Units & Status	Y	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	
2.	Capped Area Approvals	Y	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7	
B.	Time-frames for Closure	Y	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E	
C.	Closure of Disposal Units	Y	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C	
1.	Surface Impoundments	NA	9 VAC 20-80-380 B	
D.	Cover Design	Y	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)	
E.	E&S Control Plan	Y	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)	
F.	Schedule for Closure	Y	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(2), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3	
G.	Notification	Y	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 5, & 9 VAC 20-80-270 E 6	

H.	Inspection	Y	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	
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IX.	Post Closure Plan			
A.	General	Y	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F	
1.	Post Closure Period Required	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
2.	Years Remaining	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
B.	Monitoring Plan	Y	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	
C.	Post Closure Uses	Y	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c	None proposed

X.	Financial Assurance		9 VAC 20-70-10	
A.	Cost Est. Approval	Y	9 VAC 20-70-111 & 112	\$13,106,382
B.	Mechanism	Y	9 VAC 20-70-140	Surety Bond



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: Jenny Knepper
Date Reviewed: 3/3/04
Facility Type: CDD Landfill
Facility Name: Country South LLC
Permit No.: 581
Permit Issued Date: 5/11/95
Amendment 1 Date: 5/11/99 (allow open burning)
Amendment 2 Date: submitted * Major amendment for expansion submitted
Amendment 3 Date: n/a
HB1205 Ranking: n/a
Title V: n/a

Findings/Deficiencies: This facility currently has in a Part B permit amendment for expansion. The Part A application is referenced in the design report but the approval letter and site map are not included in permit. The current permit does not include a Gas Mgmt. Plan or Unauthorized Waste Plan, however both these items are included in the permit amendment application

Applicable Regs. By
Facility Type:

CDD Landfill
9 VAC 20-80-260
9 VAC 20-80-520

	Item	Provided (Y/N)	Regulatory Requirement	Comments	
I.	General Information				
A.	Part A Approval	Yes	9 VAC 20-80-500 C	Part A Application referenced in Design Report but actual approval letter and site map are not attached to permit.	
B.	Approval Date:	1/13/94			
C.	1993 Subtitle D Amendment	n/a	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A		
D.	Part A Expansion	n/a		Expansion area covered in original Part A	

II.	General Site Plans				
A.	Existing Site Conditions	Yes	9 VAC 20-80-520 A 1 b		
B.	Base Grade Plan	Yes	9 VAC 20-80-520 A 1 c		
C.	Modification Plans	Yes	9 VAC 20-80-520 A 1 d		
D.	Phasing Plan	Yes	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h		
E.	Cross Sections	Yes	9 VAC 20-80-520 A 1 h		
F.	Flood Plain	Yes	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1		
G.	Wetlands	No	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	Not referenced	
H.	General Facility Info	Yes	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2		
I.	Site Access	Yes	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2		
J.	Utilities	Yes	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5		
K.	Aesthetics	Yes	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)		
L.	Location of Cells	Yes	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j		
M.	Benchmarks	Yes	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)		

N.	Borrow & Stockpile Areas	Yes	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)		
O.	Final Site Topography Plan	Yes	9 VAC 20-80-520 A 1 e		
P.	Monitoring Plan	Yes	9 VAC 20-80-520 A 1 g		

III.	Liners				
A.	Regulatory Requirements				
1.	Sanitary Landfills	n/a	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2		
2.	Other Landfills	Yes	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2		
B.	Design Plans and Report	Yes			
1.	Liner System	n/a	9 VAC 20-80-520 B 2		
a.	Composite	n/a			
b.	Single Liner	n/a			
c.	None	Yes			
2.	Piggy Backing	n/a			

IV.	Liquids Management System				
A.	Leachate Collection & Control				
1.	Leachate Disposal	n/a	9 VAC 20-80-290 D		
a.	POTW	n/a	9 VAC 20-80-290 D 1		
b.	Recirculation	n/a	9 VAC 20-80-290 D 3		
c.	Other	n/a	9 VAC 20-80-290 D		
2.	Leachate Management Plan	n/a	9 VAC 20-80-290		
a.	Collection System	n/a	9 VAC 20-80-290 A 2		
b.	Storage	n/a	9 VAC 20-80-290 A 3		
c.	Leachate Treatment	n/a	9 VAC 20-80-290 D 4		
B.	Run-on Control System	Yes	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j		
C.	Run-off Control System	Yes	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j		

V.	Gas Management System				
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A.	Management Plan	No	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	Gas Mgmt Plan has been submitted for Major Amendment. Plan includes installation of gas venting trench upon closure of facility.
1.	General Requirements	No	9 VAC 20-80-280 A	Included in Gas Mgmt Plan for Amendment.
2.	Monitoring	Yes	9 VAC 20-80-280 B,C, & D	Operations plan discusses annual monitoring with temporary gas probes.
3.	Control	n/a	9 VAC 20-80-280 E	
4.	Contingency Plan	Yes	9 VAC 20-80-280 E 1 a	
5.	Clean Air Act/ VA Operating Permit	n/a	9 VAC 20-80-280 E 3	
B.	Remediation Plan	n/a	9 VAC 20-80-280 E 1 c	
1.	Active	n/a		
2.	Passive	n/a		
3.	Combination	n/a		

VI. Groundwater Monitoring				
A.	Groundwater Monitoring Plan	Yes	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection	n/a	9 VAC 20-80-300 B 2	
2.	Assessment	n/a	9 VAC 20-80-300 B 3	
3.	Phase I	Yes	9 VAC 20-80-300 C 3	
4.	Phase II	n/a	9 VAC 20-80-300 C 4	
5.	GPS	n/a	9 VAC 20-80-300 B 3 h	
6.	Corrective Action	n/a	9 VAC 20-80-310	
7.	Phase III	n/a	No longer applicable	
8.	Selection of Remedy	n/a	9 VAC 20-80-310 B	
9.	Implementation of CA	n/a	9 VAC 20-80-310 C	
10.	GW Monitoring System	Yes	9 VAC 20-80-300 A 3	
11.	Wetlands Legislation	n/a		
a.	Demonstration Approved	n/a		
b.	Quarterly Monitoring	n/a		

VII.	Operations Manual				
A.	Service Information	Yes	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
B.	Personnel	Yes	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D		
C.	Site Access	Yes	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1		
1.	Hours of Operation	Yes	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
2.	Traffic Routing	Yes	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
D.	Waste Handling	Yes	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
1.	Types of Wastes	Yes	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14		
2.	Litter Control	No	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	This is addressed in current amendment	
3.	Dust, Odor, Vectors	Yes	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2		
4.	Open Burning	Yes	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	Variance approved for burning in Air Curtain Destructor 5/11/99	
5.	Unauthorized Waste Acceptance Plan	No	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	There is an unauthorized waste program in the current amendment	
E.	Filling Operation	Yes	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15		

F.	Handling of Special Wastes	Yes	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11		
G.	Equipment	Yes	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
H.	Compaction and Cover	Yes	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40 , & 9 VAC 20-80-270 C 11		
I.	ADC Approvals	n/a	9 VAC 20-80-250 C 2 c		
I.	Safety	Yes	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h		
J.	Inspection	Yes	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f		
K.	Control & Monitoring of Liquids & Gases	Yes	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
L.	Records	Yes	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		

VIII.	Closure Plan				
A.	General	Yes	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80- 320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80- 380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20- 80-560		
1.	Units & Status	Yes	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3		
2.	Capped Area Approvals	n/a	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7		
B.	Time-frames for Closure	Yes	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E		
C.	Closure of Disposal Units	Yes	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C		
1.	Surface Impoundments	n/a	9 VAC 20-80-380 B		
D.	Cover Design	Yes	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)		
E.	E&S Control Plan	Yes	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)		
F.	Schedule for Closure	Yes	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(4), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3		
G.	Notification	Yes	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 4, & 9 VAC 20-80-270 E 6		

H.	Inspection	Yes	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6		
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IX.	Post Closure Plan				
A.	General	Yes	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F		
1.	Post Closure Period Required	Yes	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1		
2.	Years Remaining	n/a	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1		
B.	Monitoring Plan	Yes	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	GW, gas discussed in O&M	
C.	Post Closure Uses	Yes	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c		

X.	Financial Assurance		9 VAC 20-70-10		
A.	Cost Est. Approval	Yes	9 VAC 20-70-111 & 112	In compliance till 12/31/04 - Current cost estimate is not for expansion	
B.	Mechanism	LC	9 VAC 20-70-140		



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills

Reviewed By: Jenny Knepper
Date Reviewed: 3/10/04
Facility Type: Sanitary Landfill
Facility Name: Botetourt County Landfill
Permit No.: 582
Permit Issued Date: 5/11/95
Amendment 1 Date: 7/2/02 Minor - allowed use of 2 working faces
Amendment 2 Date: n/a
Amendment 3 Date: n/a
HB1205 Ranking: n/a SWP 519 incorporated into 582. SWP 519 - Low, cd 2020
Title V: n/a

Findings/Deficiencies:

The facility is currently in the process of submitting a Gas Remediation Plan for #582 & #319, which includes a Part A compliance boundary modification for PN #319.
The facility has a Unauthorized Waste Program, however it is not currently included in the permit.
Closure Plan does not discuss the requirement of final DEQ inspection to verify facility was closed in accordance with the approved plan.
Closure Plan does not discuss long-term use of site after closure.
Updated FA has been submitted and is currently being reviewed.
Proposed GPS have been submitted and are under review.
Part A approval and site map are discussed in Design Report (pg 11), however copy of approval letter and site map not included in permit. Part A site map references Sheet 3 of 26 in DR but Design Plans have 33 sheets.

Applicable Regs. By
Facility Type: **Sanitary Landfill**
9 VAC 20-80-250
9 VAC 20-80-520

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	Yes	9 VAC 20-80-500 C	Referenced on pg 11 of Design Report and references map, but neither
B.	Approval Date:	8/1/91		map or approval letter is included in Permit
C.	1993 Subtitle D Amendment	Yes	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	Design report references that Part A review for Subtitle D amendment but does not provide final approval information.
D.	Part A Expansion	n/a		Expansion covered for gas covered under SWP 319

II.	General Site Plans			
A.	Existing Site Conditions	Yes	9 VAC 20-80-520 A 1 b	
B.	Base Grade Plan	Yes	9 VAC 20-80-520 A 1 c	
C.	Modification Plans	Yes	9 VAC 20-80-520 A 1 d	
D.	Phasing Plan	Yes	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	
E.	Cross Sections	Yes	9 VAC 20-80-520 A 1 h	
F.	Flood Plain	n/a	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	
G.	Wetlands	No	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	Not referenced
H.	General Facility Info	Yes	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	
I.	Site Access	Yes	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
J.	Utilities	Yes	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	
K.	Aesthetics	Yes	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	
L.	Location of Cells	Yes	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	
M.	Benchmarks	Yes	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	

N.	Borrow & Stockpile Areas	Yes	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)		
O.	Final Site Topography Plan	Yes	9 VAC 20-80-520 A 1 e		
P.	Monitoring Plan	Yes	9 VAC 20-80-520 A 1 g		

III.	Liners				
A.	Regulatory Requirements				
1.	Sanitary Landfills	Yes	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2		
2.	Other Landfills	n/a	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2		
B.	Design Plans and Report	Yes			
1.	Liner System	Yes	9 VAC 20-80-520 B 2		
a.	Composite	Yes			
b.	Single Liner	n/a			
c.	None	n/a			
2.	Piggy Backing	n/a			

IV.	Liquids Management System				
A.	Leachate Collection & Control				
1.	Leachate Disposal	Yes	9 VAC 20-80-290 D		
a.	POTW	Yes	9 VAC 20-80-290 D 1		
b.	Recirculation	No	9 VAC 20-80-290 D 3		
c.	Other	n/a	9 VAC 20-80-290 D		
2.	Leachate Management Plan	Yes	9 VAC 20-80-290	Section V of Design Report	
a.	Collection System	Yes	9 VAC 20-80-290 A 2		
b.	Storage	n/a	9 VAC 20-80-290 A 3		
c.	Leachate Treatment	n/a	9 VAC 20-80-290 D 4		
B.	Run-on Control System	Yes	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j		
C.	Run-off Control System	Yes	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j		

V.	Gas Management System				
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A.	Management Plan	Yes	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280		
1.	General Requirements	Yes	9 VAC 20-80-280 A		
2.	Monitoring	Yes	9 VAC 20-80-280 B,C, & D		
3.	Control	Yes	9 VAC 20-80-280 E		
4.	Contingency Plan	Yes	9 VAC 20-80-280 E 1 a		
5.	Clean Air Act/ VA Operating Permit	n/a	9 VAC 20-80-280 E 3		
B.	Remediation Plan	No	9 VAC 20-80-280 E 1 c	Facility is currently in the process of revising a GRP	
1.	Active	n/a			
2.	Passive	Yes			
3.	Combination	n/a			

VI. Groundwater Monitoring					
A.	Groundwater Monitoring Plan	Yes	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	Module X of Permit	
1.	Detection	n/a	9 VAC 20-80-300 B 2		
2.	Assessment	Yes	9 VAC 20-80-300 B 3		
3.	Phase I	n/a	9 VAC 20-80-300 C 3		
4.	Phase II	n/a	9 VAC 20-80-300 C 4		
5.	GPS	n/a	9 VAC 20-80-300 B 3 h	Proposed GPS are being reviewed	
6.	Corrective Action	n/a	9 VAC 20-80-310		
7.	Phase III	n/a	No longer applicable		
8.	Selection of Remedy	n/a	9 VAC 20-80-310 B		
9.	Implementation of CA	n/a	9 VAC 20-80-310 C		
10.	GW Monitoring System	Yes	9 VAC 20-80-300 A 3		
11.	Wetlands Legislation	n/a			
a.	Demonstration Approved	n/a			
b.	Quarterly Monitoring	n/a			

VII.	Operations Manual				
A.	Service Information	Yes	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
B.	Personnel	Yes	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D		
C.	Site Access	Yes	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1		
1.	Hours of Operation	Yes	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
2.	Traffic Routing	Yes	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
D.	Waste Handling	Yes	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
1.	Types of Wastes	Yes	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14		
2.	Litter Control	Yes	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2		
3.	Dust, Odor, Vectors	Yes	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2		
4.	Open Burning	Yes	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	Approval from Air - August 11, 1992	
5.	Unauthorized Waste Acceptance Plan	Yes	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	Plan is not officially part of the permit.	
E.	Filling Operation	Yes	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15		

F.	Handling of Special Wastes	Yes	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11		
G.	Equipment	Yes	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
H.	Compaction and Cover	Yes	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40 , & 9 VAC 20-80-270 C 11		
I.	ADC Approvals	n/a	9 VAC 20-80-250 C 2 c		
I.	Safety	Yes	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h		
J.	Inspection	Yes	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f		
K.	Control & Monitoring of Liquids & Gases	Yes	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		
L.	Records	Yes	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1		

VIII.	Closure Plan				
A.	General	Yes	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80- 320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80- 380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20- 80-560		
1.	Units & Status	Yes	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3		
2.	Capped Area Approvals	n/a	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7		
B.	Time-frames for Closure	Yes	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E		
C.	Closure of Disposal Units	Yes	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C		
1.	Surface Impoundments	n/a	9 VAC 20-80-380 B		
D.	Cover Design	Yes	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)		
E.	E&S Control Plan	Yes	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)		
F.	Schedule for Closure	Yes	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(4), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3		
G.	Notification	Yes	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 4, & 9 VAC 20-80-270 E 6		

H.	Inspection	No	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	Discusses Post Closure inspections but does not discuss DEQ final inspection to verify closing is complete and adequate.	
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IX.	Post Closure Plan				
A.	General	Yes	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F		
1.	Post Closure Period Required	Yes	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1		
2.	Years Remaining	n/a	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1		
B.	Monitoring Plan	Yes	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a		
C.	Post Closure Uses	No	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c		

X.	Financial Assurance		9 VAC 20-70-10		
A.	Cost Est. Approval	No	9 VAC 20-70-111 & 112	Cost Estimate not included in Closure Plan. Updated FA is being reviewed	
B.	Mechanism	LGFT	9 VAC 20-70-140		



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

**10-Year Permit Review, VA Code 10.1 - 1408.1.E.
Permit Review Checklist for Landfills**

Reviewed By: **M. A. Karim**
 Date Reviewed: 3/23/04
 Facility Type: Sanitary Landfill
 Facility Name: Brunswick Waste Management Facility LLC
 Permit No.: SWP 583
 Permit Issued Date: 4/17/95 Initial Issuance
 Amendment 1 Date: 2/28/97 (Minor)
 Amendment 2 Date: 4/11/97 (Minor)
 Amendment 3 Date: 12/10/97 (Major)
 Amendment 4 Date: 5/4/98 (Major)
 Amendment 5 Date: 5/31/01 (Major)
 HB1205 Ranking: N/A
 Title V: **Plant ID: 00030** Air Permit

- Findings/Deficiencies:
- | | |
|-----------|---|
| 1. | No section has been dedicated to describe wetland impacts at the facility. |
| 2. | Information requested in 9 VAC 20-80-280.E.1.a is not provided in Gas Mngement Plan. |
| 3. | No section titled "Service Information" is provided. No clear information is provided as to which areas the facility can service. |
| 4. | It doesn't describe the inspection plan as specified in 9 VAC 20-80-250.C.1.b. It may need to be updated. |
| 5. | The permits needs to be updated for Unauthorized Waste Acceptance Plan. |
| 6. | Permit referenced to old citations of the regulations in many instances. Citations need to be changed to reflect the new regulations. |
| 7. | Per CEDS current Mechanisms expired on 10/11/2003. Based on email communication with Leslie Beckwith, the facility has until 3/31/2004 to submit the Mechanism. |
| | |
| | |

Applicable Regs. By
Facility Type:

Sanitary Landfill	CDD Landfill	Industrial Landfill	Transfer Station
9 VAC 20-80-250	9 VAC 20-80-260	9 VAC 20-80-270	9 VAC 20-80-340
9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-320
			9 VAC 20-80-540
Material Recovery	Eng. Rec. & Incin.	Surface Impound.	
9 VAC 20-80-360	9 VAC 20-80-370	9 VAC 20-80-380	
9 VAC 20-80-320	9 VAC 20-80-320	9 VAC 20-80-320	
9 VAC 20-80-540	9 VAC 20-80-530	9 VAC 20-80-540	

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	Y	9 VAC 20-80-500 C	Included in Permit Attachment III-3.
B.	Approval Date:	3/25/94		Original Part A for initial issuance of the permit.
C.	1993 Subtitle D Amendment	N/A	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	Permit was issued in 1995. Therefore, 1993 Subtitle D amendment was in effect at that time.
D.	Part A Expansion	Y		Part A amendment on 1/30/1998 for incorporation of the approximately 2.2 acres of wetland into the disposal area.

II.	General Site Plans			
A.	Existing Site Conditions	Y	9 VAC 20-80-520 A 1 b	Drawing Nos. 2 & 3. Section A.1, Page II-1 of Permit Attachment III-1.
B.	Base Grade Plan	Y	9 VAC 20-80-520 A 1 c	Drawing Nos. 4, 4A, & 30. Section A.2, Page II-1 of Permit Attachment III-1.
C.	Modification Plans	Y	9 VAC 20-80-520 A 1 d	Drawing Nos. 5 & 31. Section A.3, Page II-2 of Permit Attachment III-1.
D.	Phasing Plan	Y	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	Drawing Nos. 7, 8, 9, 9A, 10, 10A, 11, 11A, 32, 33, 33A, 34, 34A, 34B, & 34C. Section A.4, Page II-2 of Permit Attachment III-1.
E.	Cross Sections	Y	9 VAC 20-80-520 A 1 h	Drawing Nos. 18, 19, 19A, 20, 21, 22, 23, 24, 35, 36, & 36A. Section A.6, Page II-2 of Permit Attachment III-1.
F.	Flood Plain	Y	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	The SLA and NSWDA are outside of 100-year flood plain. Section 6, Page II-2 of Permit Attachment III-1.
G.	Wetlands	N	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	No section has been dedicated to describe wetland impacts by the facility, if any.
H.	General Facility Info	Y	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	Section B, Page II-5 of Permit Attachment III-1.
I.	Site Access	Y	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	The facility will be accessed from SR 733, approximately 3/4 mile south of SR 678, and approx. 1 mile south of Route 606. Section C, page II-10 of Permit Attachment III-1.
J.	Utilities	Y	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	The location of site office building, maintenance building, and scale building are shown on Drawing No. 3, Site Features. Section D, Page II-10 of Permit Attachment III-1.
K.	Aesthetics	Y	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	The site has gently rolling topography and is partially wooded. The existing natural screening vegetation is shown on many of the plan drawings, including Drawing No. 3, Proposed Site Features. Section E, Page II-12 of Permit Attachment III-1.
L.	Location of Cells	Y	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	The SLA includes 6 cells, 1A, 2, 3, 4, 5, and 6, as shown in Drawing Nos. 7-11A, Phasing Plans. The NSWDA includes 6 cells, A1, A2, B, C, D and E, as shown on Drawing No. 31. Section F, Page II-13 of Permit Attachment III-1.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
M.	Benchmarks	Y	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	Two permanent concrete monuments have been established on-site for future survey control. Section G, Page II-13 of Permit Attachment III-1.
N.	Borrow & Stockpile Areas	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)	Borrow and stockpile areas for soil components of the liner system, access roads, berms, and final cover are shown on Drawing No.3 - Proposed Site Features. Section H, Page II-13 of Permit Attachment III-1.
O.	Final Site Topography Plan	Y	9 VAC 20-80-520 A 1 e	Drawing Nos. 6 & 34D.
P.	Monitoring Plan	Y	9 VAC 20-80-520 A 1 g	Not in one plan sheet. But information is provided in multiple plan sheets.

III. Liners				
A.	Regulatory Requirements			
1.	Sanitary Landfills	Y	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2	
2.	Other Landfills	N/A	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2	
B.	Design Plans and Report	Y		Permit Attachments III-1 (Report) and III-2 (Plans).
1.	Liner System	Y	9 VAC 20-80-520 B 2	
a.	Composite	Y		Subtitle D liner. Top to bottom: 6" protective cover; 12"-drainage layer with $k = 1 \times 10^{-1}$ cm/sec.; 16 -oz/sy geotextile; 60-mil HDPE; and 24"-caly liner with $k = 1 \times 10^{-7}$ cm/sec.
b.	Single Liner	N/A		
c.	None	N/A		
2.	Piggy Backing	N/A		

IV. Liquids Management System				
A.	Leachate Collection & Control			
1.	Leachate Disposal		9 VAC 20-80-290 D	
a.	POTW	Y	9 VAC 20-80-290 D 1	Leachate collected in the storage tanks will be pumped from the tank into leachate tanker trucks for recirculation into the landfill mass or hauled to a local POTW. A copy of the agreement with POTW is in Appendix 12. Page V-26 of Permit Attachment III-1.
b.	Recirculation	Y	9 VAC 20-80-290 D 3	Provide for leachate recirculation of up to 24,000 gpd in the SLA and up to 12,000 gpd in the NSWDA. Section A, Page V-1 of Permit Attachment III-1.
c.	Other	N/A	9 VAC 20-80-290 D	
2.	Leachate Management Plan	Y	9 VAC 20-80-290	
a.	Collection System	Y	9 VAC 20-80-290 A 2	A network of 8-inch diameter perforated HDPE laterals embedded within the 12-inch drainage/leachate collection layer. Section A.1, Page V-2 of Permit Attachment III-1.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
b.	Storage	Y	9 VAC 20-80-290 A 3	Weekly storage requirement of 169,000 gallons. Permit recommends 200,000 gallon capacity storage tank to be safe. Page V-12 of Permit Attachment III-1. A total tankage capacity of at least 1,753,780 gallons will be provided. Currently approved tankage capacity is 2 million gallons that will be added in the future, if necessary.
c.	Leachate Treatment	Y	9 VAC 20-80-290 D 4	No leachate treatment will be done on-site. Either recirculated or hauled to a POTW. Page V-28 of Permit Attachment III-1.
B.	Run-on Control System	Y	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	All stormwater management features of the site, including benches, swales, downchutes, and sediment basins have been designed for 25-year, 24-hour design storm as required by VSWMR. Section B, Page V-29 of Permit Attachment III-1. Referenced to Drawing Nos. 7 through 11 (SLA), 32 through 34C (NSWDA), 18 through 24 (SLA), and 35 through 36A (NSWDA).
C.	Run-off Control System	Y	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j	Detail design has been provided in Section C, Page V-32 of Permit Attachment III-1.

V. Gas Management System				
A.	Management Plan	Y	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	Permit Attachment III-4.
1.	General Requirements	Y	9 VAC 20-80-280 A	Permit referenced to old citation of the regulations. For example, Paragraph 5.4 of VR 672-20-10. Reg. Citations need to be changed to reflect the new regulations. Sections A & B, Page VI-1 of Permit Attachment III-4.
2.	Monitoring	Y	9 VAC 20-80-280 B,C, & D	Section C, Page VI-2 of Permit Attachment III-4.
3.	Control	Y	9 VAC 20-80-280 E	No section titled "Control" is dedicated to discuss the control of decomposition gases. However, Section D titled "Remediation Plan", discusses what will be done if monitoring probes exceed LEL. Permit referenced to old citation of the regulations. For example, § 5.4.E.1.b of VSWMR. Citations need to be changed to reflect the new regulations. Page VI-6 of Permit Attachment III-4.
4.	Contingency Plan	N	9 VAC 20-80-280 E 1 a	Information requested in 9 VAC 20-80-280.E.1.a is not provided in Gas Management Plan.
5.	Clean Air Act/ VA Operating Permit	Y	9 VAC 20-80-280 E 3	Total capacity is 26.378 million Mg which is > 2.5 million Mg. Therefore, the facility is subject to Subtitle WWW. Air Permit Info. Reg ID: 31007; SIC: 4953; NAICS = 562212.
B.	Remediation Plan	Y	9 VAC 20-80-280 E 1 c	
1.	Active	Y		Active gas extraction system is being installed as the development of waste cells progresses.
2.	Passive	N/A		
3.	Combination	N/A		

VI. Groundwater Monitoring				

	Item	Provided (Y/N)	Regulatory Requirement	Comments
A.	Groundwater Monitoring Plan	Y	9 VAC 20-80-250 B 11, 9 VAC 20-80-300 A 1, 9 VAC 20-80-300 A 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-300 A 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-300 A 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection	Y	9 VAC 20-80-300 B 2	
2.	Assessment	Y	9 VAC 20-80-300 B 3	
3.	Phase I	N/A	9 VAC 20-80-300 C 3	
4.	Phase II	N/A	9 VAC 20-80-300 C 4	
5.	GPS	N/A	9 VAC 20-80-300 B 3 h	
6.	Corrective Action	N/A	9 VAC 20-80-310	
7.	Phase III	N/A	No longer applicable	
8.	Selection of Remedy	N/A	9 VAC 20-80-310 B	
9.	Implementation of CA	N/A	9 VAC 20-80-310 C	
10.	GW Monitoring System	Y	9 VAC 20-80-300 A 3	
11.	Wetlands Legislation	N/A		
a.	Demonstration Approved	N/A		
b.	Quarterly Monitoring	Y		

VII.	Operations Manual			
A.	Service Information	N	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	No section titled "Service Information" is provided. No clear information is provided as to which areas the facility will be servicing.
B.	Personnel	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D	Site Manager - 1; Admin. Support - 2; Scale & Gate Attendant - 1; Equipment Operators - 5; Miantenance - 1; Laborer - 2. Section 3.1, Page 3-1 of Permit Attachment II-1.
C.	Site Access	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1	Entrance Procedures. Page 3-5 of Permit Attachment II-1.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
1.	Hours of Operation	Y	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Monday through Friday = 6:00 am - 10:00 pm. Saturday = 6:00 am - 10:00 pm.
2.	Traffic Routing	Y	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section 3.3, Page 3-6 of Permit Attachment II-1.
D.	Waste Handling	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section 3.4.5, Pages 3-15 of Permit Attachment II-1.
1.	Types of Wastes	Y	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14	Section 2.2, Page 2-1 of Permit Attachment II-1 that referenced to Section II.B.5 of Design Report (Permit Attachment III-1).
2.	Litter Control	Y	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	Section 4.5.1, Page 4-5 of Permit Attachment II-1.
3.	Dust, Odor, Vectors Control	Y	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2	Sections 4.5.2 & 4.5.3, Page 4-6 of Permit Attachment II-1.
4.	Open Burning	Y	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	Section 3.12.1, Page 3-24 of Permit Attachment II-1.
5.	Unauthorized Waste Acceptance Plan	N	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	No section has been dedicated under this title. However, it has been discussed briefly in page 3-2 of Permit Attachment II-1. Section 7 of Permit Attachment II-1 has been dedicated to describe the acceptance plan for Regulated ACM.
E.	Filling Operation	Y	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15	Section 3.4, Page 3-6 of Permit Attachment II-1.
F.	Handling of Special Wastes	Y	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-250 C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11	Section 3.4.5, Page 3-15 of Permit Attachment II-1.
G.	Equipment	Y	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section 3.5, Page 3-16 of Permit Attachment II-1.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
H.	Compaction and Cover	Y	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40, & 9 VAC 20-80-270 C 11	Sections 3.4.4 and 3.4.4.3, Pages 3-10 and 3-11 of Permit Attachment II-1.
I.	ADC Approvals	Y	9 VAC 20-80-250 C 2 c	Section 3.4.4, Page 3-10 of Permit Attachment II-1. Tarps and Posi-Shell have been approved as ADC.
I.	Safety	Y	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h	Section 6.0, Page 6-1 of Permit Attachment II-1.
J.	Inspection	N	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f	Page 3-4 of Permit Attachment II-1. It doesn't describe the inspection plan as specified in 9 VAC 20-80-250.C.1.b and other sections. It may need to be updated.
K.	Control & Monitoring of Liquids & Gases	Y	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section 4.4, Page 4-4 of Permit Attachment II-1.
L.	Records	Y	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	Section 3.9, Page 3-21 of Permit Attachment II-1.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
VIII.	Closure Plan			
A.	General	Y	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80-320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20-80-560	Former Regulations citations have been referenced in this section that needs to be updated.
1.	Units & Status	Y	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	Partially described in Section A.1, Page X-1 of Permit Attachment XII-1.
2.	Capped Area Approvals	N/A	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7	
B.	Time-frames for Closure	N	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E	Section A.1, Page X-1 of Permit Attachment XII-1. However, this section does not describe the info requested in 9 VAC 20-80-250.E.3.
C.	Closure of Disposal Units	Y	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C	Section 4, Page X-2 of Permit Attachment XII-1.
1.	Surface Impoundments	Y	9 VAC 20-80-380 B	Section 4.a, Page X-2 of Permit Attachment XII-1.
D.	Cover Design	Y	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)	Section 4.b, Page X-2 of Permit Attachment XII-1.
E.	E&S Control Plan	Y	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)	Section 4.d, Page X-3 of Permit Attachment XII-1.
F.	Schedule for Closure	Y	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(2), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3	Section 8, Page X-6 of Permit Attachment XII-1.

	Item	Provided (Y/N)	Regulatory Requirement	Comments
G.	Notification	Y	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 5, & 9 VAC 20-80-270 E 6	Section 10, Page X-7 of Permit Attachment XII-1.
H.	Inspection	N/A	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	

IX.	Post Closure Plan			
A.	General	Y	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F	
1.	Post Closure Period Required	Y	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	Under section 5.a GW Monitoring, Page X-9 and Section D, Page X-10 of Permit Attachment XII-1.
2.	Years Remaining	N/A	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	The facility is active.
B.	Monitoring Plan	Y	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	Section 5, Page X-9 of Permit Attachment XII-1.
C.	Post Closure Uses	Y	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c	Section 6, Page X-9 of Permit Attachment XII-1.

X.	Financial Assurance			
A.	Cost Est. Approval	Y	9 VAC 20-70-111 & 112	New cost estimate approved on 1/15/2004.
B.	Mechanism	N	9 VAC 20-70-140	Per CEDS current Mechanisms expired on 10/11/2003. Based on email communication with Leslie Beckwith, the facility has until 3/31/2004 to submit the Mechanism.



This checklist indicates information included in the permit on the date the checklist was completed. Any approvals, demonstrations or plans the facility may have previously submitted to the Department not included in the permit were not included in this review. Facilities that lack current, facility specific permit modules remain subject to their existing permits, any approved plans, and the standards in the applicable regulations.

10-Year Permit Review, VA Code 10.1 - 1408.1.E.

Permit Review Checklist for Landfills

Reviewed By: Graham Simmerman
 Date Reviewed: 3/31/04
 Facility Type: Sanitary Landfill
 Facility Name: Augusta Regional Landfill
 Permit No.: 585
 Permit Issued Date: 5/31/95
 Amendment 1 Date: 6/27/02
 Amendment 2 Date: 6/30/03
 Amendment 3 Date: 3/30/04
 HB1205 Ranking: n/a
 Title V: n/a

Findings/Deficiencies: Amended permit documents, design plans, and engineering drawing generally conform to the regulatory requirements.
 Permit # 585 only covers active sanitary landfill. Previous waste disposal areas were under Permit # 21.
 Air permit not required at permitted capacity.
 No unauthorized waste acceptance plan in operations manual.
 Post-closure plan does not specify the post-closure period.

Applicable Regs. By
 Facility Type:

Sanitary Landfill	CDD Landfill	Industrial Landfill	Transfer Station
9 VAC 20-80-250	9 VAC 20-80-260	9 VAC 20-80-270	9 VAC 20-80-340
9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-520	9 VAC 20-80-320
			9 VAC 20-80-540
Material Recovery	Eng. Rec. & Incin.	Surface Impound.	
9 VAC 20-80-360	9 VAC 20-80-370	9 VAC 20-80-380	
9 VAC 20-80-320	9 VAC 20-80-320	9 VAC 20-80-320	
9 VAC 20-80-540	9 VAC 20-80-530	9 VAC 20-80-540	

	Item	Provided (Y/N)	Regulatory Requirement	Comments
I.	General Information			
A.	Part A Approval	yes	9 VAC 20-80-500 C	
B.	Approval Date:	2/22/95		
C.	1993 Subtitle D Amendment	no	9 VAC 20-80-250 A, 9 VAC 20-80-260 A, & 9 VAC 20-80-270 A	Not applicable, permitted after 1993
D.	Part A Expansion	no		Still in original footprint

II.	General Site Plans			
A.	Existing Site Conditions	yes	9 VAC 20-80-520 A 1 b	
B.	Base Grade Plan	yes	9 VAC 20-80-520 A 1 c	
C.	Modification Plans	yes	9 VAC 20-80-520 A 1 d	
D.	Phasing Plan	yes	9 VAC 20-80-520 A 1 f & 9 VAC 20-80-520 A 1 h	
E.	Cross Sections	yes	9 VAC 20-80-520 A 1 h	
F.	Flood Plain	yes	9 VAC 20-80-250 A 2, 9 VAC 20-80-260 A 1, & 9 VAC 20-80-270 A 1	
G.	Wetlands	yes	9 VAC 20-80-250 A.4, 9 VAC 20-80-260 A.6, 9 VAC 20-80-270 A 5	
H.	General Facility Info	yes	9 VAC 20-80-520 B 1 & 9 VAC 20-80-520 B 2	
I.	Site Access	yes	9 VAC 20-80-250 B 1, 9 VAC 20-80-250 B 2, 9 VAC 20-80-260 B 1, 9 VAC 20-80-260 B 2, 9 VAC 20-80-270 B 1, 9 VAC 20-80-270 B 2, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
J.	Utilities	yes	9 VAC 20-80-250 B 3, 9 VAC 20-80-250 B 5, 9 VAC 20-80-260 B 3, 9 VAC 20-80-260 B 5, 9 VAC 20-80-270 B 3, & 9 VAC 20-80-270 B 5	
K.	Aesthetics	yes	9 VAC 20-80-250 B 4, 9 VAC 20-80-260 B 4, 9 VAC 20-80-270 B 4, & 9 VAC 20-80-520 A 1 j(11)	
L.	Location of Cells	yes	9 VAC 20-80-260 B 13, 9 VAC 20-80-260 B 15, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

M.	Benchmarks	yes	9 VAC 20-80-250 B 16, 9 VAC 20-80-270 B 9, 9 VAC 20-80-520 A 1 j(1)	
N.	Borrow & Stockpile Areas	yes	9 VAC 20-80-250 C 2, 9 VAC 20-80-520 A 1 j(7), & 9 VAC 20-80-520 A 1 j(8)	
O.	Final Site Topography Plan	yes	9 VAC 20-80-520 A 1 e	
P.	Monitoring Plan	yes	9 VAC 20-80-520 A 1 g	

III.	Liners			
A.	Regulatory Requirements	yes		
1.	Sanitary Landfills	yes	9 VAC 20-80-250 B 9, 9 VAC 20-80-520 A 1 h, & 9 VAC 20-80-520 B 2	
2.	Other Landfills	no	9 VAC 20-80-260 B 14, 9 VAC 20-80-270 B 14, & 9 VAC 20-80-520 B 2	Permit # 585 only covers active sanitary landfill. Existing and filled waste disposal areas regulated under Permit # 21.
B.	Design Plans and Report	yes		
1.	Liner System	yes	9 VAC 20-80-520 B 2	
a.	Composite	yes		
b.	Single Liner	no		Uses Composite landfill liner system
c.	None	no		
2.	Piggy Backing	no		No piggy backing proposed

IV.	Liquids Management System			
A.	Leachate Collection & Control			
1.	Leachate Disposal	yes	9 VAC 20-80-290 D	
a.	POTW	yes	9 VAC 20-80-290 D 1	
b.	Recirculation	no	9 VAC 20-80-290 D 3	No recirculation proposed
c.	Other	no	9 VAC 20-80-290 D	No alternative leachate handling proposed
2.	Leachate Management Plan	yes	9 VAC 20-80-290	
a.	Collection System	yes	9 VAC 20-80-290 A 2	
b.	Storage	yes	9 VAC 20-80-290 A 3	
c.	Leachate Treatment	yes	9 VAC 20-80-290 D 4	
B.	Run-on Control System	yes	9 VAC 20-80-250 B 6 a, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-270 B 13, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 i, & 9 VAC 20-80-520 A 1 j	

C.	Run-off Control System	yes	9 VAC 20-80-250 B 6 b, 9 VAC 20-80-260 B 6, 9 VAC 20-80-270 B 6, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 I, & 9 VAC 20-80-520 A 1 j	
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V.	Gas Management System			
A.	Management Plan	yes	9 VAC 20-80-250 B 8, 9 VAC 20-80-260 B 9, & 9 VAC 20-80-280	
1.	General Requirements	yes	9 VAC 20-80-280 A	
2.	Monitoring	yes	9 VAC 20-80-280 B,C, & D	
3.	Control	yes	9 VAC 20-80-280 E	
4.	Contingency Plan	yes	9 VAC 20-80-280 E 1 a	
5.	Clean Air Act/ VA Operating Permit	no	9 VAC 20-80-280 E 3	Not required.
B.	Remediation Plan	yes	9 VAC 20-80-280 E 1 c	
1.	Active	yes		
2.	Passive	yes		
3.	Combination	yes		

VI.	Groundwater Monitoring			
A.	Groundwater Monitoring Plan	yes	9 VAC 20-80-250 B 11, 9 VAC 20-80-250 D 1, 9 VAC 20-80-250 D 3, 9 VAC 20-80-260 B 11, 9 VAC 20-80-260 D 3, 9 VAC 20-80-270 B 12, 9 VAC 20-80-270 D 3, 9 VAC 20-80-520 A 1 g, 9 VAC 20-80-520 A 1 h, 9 VAC 20-80-520 A 1 j, & 9 VAC 20-80-520 B 2	
1.	Detection	yes	9 VAC 20-80-250 D 5	
2.	Assessment	yes	9 VAC 20-80-250 D 6	
3.	Phase I	yes	9 VAC 20-80-260 D 5 & 9 VAC 20-80-270 D 5	
4.	Phase II	yes	9 VAC 20-80-260 D 6 & 9 VAC 20-80-270 D 6	
5.	GPS	yes	9 VAC 20-80-250 D 6 h	
6.	Corrective Action	yes	9 VAC 20-80-310	
7.	Phase III	yes	9 VAC 20-80-260 D 7 & 9 VAC 20-80-270 D 7	
8.	Selection of Remedy	yes	9 VAC 20-80-310 B	
9.	Implementation of CA	yes	9 VAC 20-80-310 C	

10.	GW Monitoring System	yes	9 VAC 20-80-250 D 3, 9 VAC 20-80-260 D 3, & 9 VAC 20-80-270 D 3	
11.	Wetlands Legislation	yes		
a.	Demonstration Approved	yes		
b.	Quarterly Monitoring	no		not required

VII.	Operations Manual	yes		
A.	Service Information	yes	9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, 9 VAC 20-80-520 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
B.	Personnel	yes	9 VAC 20-80-250 C 6, 9 VAC 20-80-520 C 2 k, 9 VAC 20-80-530 E, & 9 VAC 20-80-540 D	
C.	Site Access	yes	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, & 9 VAC 20-80-270 C 1	
1.	Hours of Operation	yes	9 VAC 20-80-250 C 3, 9 VAC 20-80-260 C 1, 9 VAC 20-80-270 C 1, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-520 C 2 i, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
2.	Traffic Routing	yes	9 VAC 20-80-250 C 13 d, 9 VAC 20-80-250 C 13 e, 9 VAC 20-80-270 C 10, 9 VAC 20-80-270 C 18, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
D.	Waste Handling	yes	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
1.	Types of Wastes	yes	9 VAC 20-80-10, 9 VAC 20-80-250 C 1, 9 VAC 20-80-250 C 16, 9 VAC 20-80-250 C 17, & 9 VAC 20-80-270 C 14	
2.	Litter Control	yes	9 VAC 20-80-250 C 13 a & 9 VAC 20-80-260 C 2	
3.	Dust, Odor, Vectors	yes	9 VAC 20-80-250 C 13 b, 9 VAC 20-80-260 C 3, & 9 VAC 20-80-270 C 2	

4.	Open Burning	yes	9 VAC 20-80-250 C 8, 9 VAC 20-80-260 C 6, 9 VAC 20-80-270 C 5	
5.	Unauthorized Waste Acceptance Plan	no	9 VAC 20-80-250 C 1 & 9 VAC 20-80-520 C 2 f	No unauthorized waste acceptance plan
E.	Filling Operation	yes	9 VAC 20-80-250 C 13 f, 9 VAC 20-80-270 C 12 a, & 9 VAC 20-80-270 C 15	
F.	Handling of Special Wastes	yes	9 VAC 20-80-250 C 16 b, 9 VAC 20-80-250 C 16 o, 9 VAC 20-80-C 16 t, 9 VAC 20-80-250 C 16 x, & 9 VAC 20-80-270 C 11	
G.	Equipment	yes	9 VAC 20-80-250 C 6, 9 VAC 20-80-260 C 5, 9 VAC 20-80-270 C 4, 9 VAC 20-80-270 C 17, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
H.	Compaction and Cover	yes	9 VAC 20-80-250 C 2, 9 VAC 20-80-260 C 11 40 , & 9 VAC 20-80-270 C 11	
I.	ADC Approvals	yes	9 VAC 20-80-250 C 2 c	
I.	Safety	yes	9 VAC 20-80-250 C 5, 9 VAC 20-80-260 C 4, 9 VAC 20-80-270 C 3, & 9 VAC 20-80-520 C 2 h	
J.	Inspection	yes	9 VAC 20-80-250 C 1, 9 VAC 20-80-270 C 14, & 9 VAC 20-80-520 C 2 f	
K.	Control & Monitoring of Liquids & Gases	yes	9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	
L.	Records	yes	9 VAC 20-80-250 C 18, 9 VAC 20-80-260 C 9, 9 VAC 20-80-270 C 7, 9 VAC 20-80-520 C 2 c, 9 VAC 20-80-530 D 1, & 9 VAC 20-80-540 C 1	

VIII.	Closure Plan			
A.	General	yes	9 VAC 20-80-250 E 9 VAC 20-80-260 E, 9 VAC 20-80-270 E, 9 VAC 20-80-320 C, 9 VAC 20-80-330 E, 9 VAC 20-80-340 E, 9 VAC 20-80-360 E, 9 VAC 20-80-370 E, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E, 9 VAC 20-80-470 E, 9 VAC 20-80-520 A 1 e, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, 9 VAC 20-80-540 E, & 9 VAC 20-80-560	
1.	Units & Status	yes	9 VAC 20-80-250 E 4, 9 VAC 20-80-260 E 3, & 9 VAC 20-80-270 E 3	
2.	Capped Area Approvals	no	9 VAC 20-80-250 E 5 b, & 9 VAC 20-80-260 E 7	No area are currently capped
B.	Time-frames for Closure	yes	9 VAC 20-80-250 E 3, 9 VAC 20-80-260 E 3, 9 VAC 20-80-270 E 3, 9 VAC 20-80-520 A 2, 9 VAC 20-80-530 F, & 9 VAC 20-80-540 E	
C.	Closure of Disposal Units	yes	9 VAC 20-80-250 E 1, 9 VAC 20-80-250 E 5, 9 VAC 20-80-260 E 1, 9 VAC 20-80-270 E 1, 9 VAC 20-80-270 E 5, & 9 VAC 20-80-320 C	
1.	Surface Impoundments	no	9 VAC 20-80-380 B	Does not cover impoundment closures
D.	Cover Design	yes	9 VAC 20-80-250 E 1 b(1), 9 VAC 20-80-260 E 1 b(1), & 9 VAC 20-80-270 E 1 b(1)	
E.	E&S Control Plan	yes	9 VAC 20-80-250 E 1 b(2), 9 VAC 20-80-260 E 1 b(2), & 9 VAC 20-80-270 E 1 b(2)	
F.	Schedule for Closure	yes	9 VAC 20-80-250 E 3 a(4), 9 VAC 20-80-260 E 2 a(2), 9 VAC 20-80-270 E 2 a(2), 9 VAC 20-80-330 E 3, 9 VAC 20-80-340 E 3, 9 VAC 20-80-360 E 3, 9 VAC 20-80-370 E 3, 9 VAC 20-80-380 B, 9 VAC 20-80-400 E 3, & 9 VAC 20-80-470 E 3	
G.	Notification	yes	9 VAC 20-80-250 E 5 d, 9 VAC 20-80-260 E 5, & 9 VAC 20-80-270 E 6	

H.	Inspection	yes	9 VAC 20-80-250 E 6&7, 9 VAC 20-80-260 E 5 & 6, 9 VAC 20-80-270 E 5 & 6	
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IX.	Post Closure Plan			
A.	General	yes	9 VAC 20-80-250 F, 9 VAC 20-80-260 F, & 9 VAC 20-80-270 F	
1.	Post Closure Period Required	no	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	Does not specify the post-closure period
2.	Years Remaining	yes	9 VAC 20-80-250 F 2, 9 VAC 20-80-260 F 1, & 9 VAC 20-80-270 F 1	
B.	Monitoring Plan	yes	9 VAC 20-80-250 F 4 a, 9 VAC 20-80-260 F 3 a, & 9 VAC 20-80-270 F 3 a	
C.	Post Closure Uses	yes	9 VAC 20-80-250 F 4 c, 9 VAC 20-80-260 F 3 c, & 9 VAC 20-80-270 F 3 c	

X.	Financial Assurance		9 VAC 20-70-10	
A.	Cost Est. Approval	yes	9 VAC 20-70-111 & 112	
B.	Mechanism	yes	9 VAC 20-70-140	